20070"E2068860

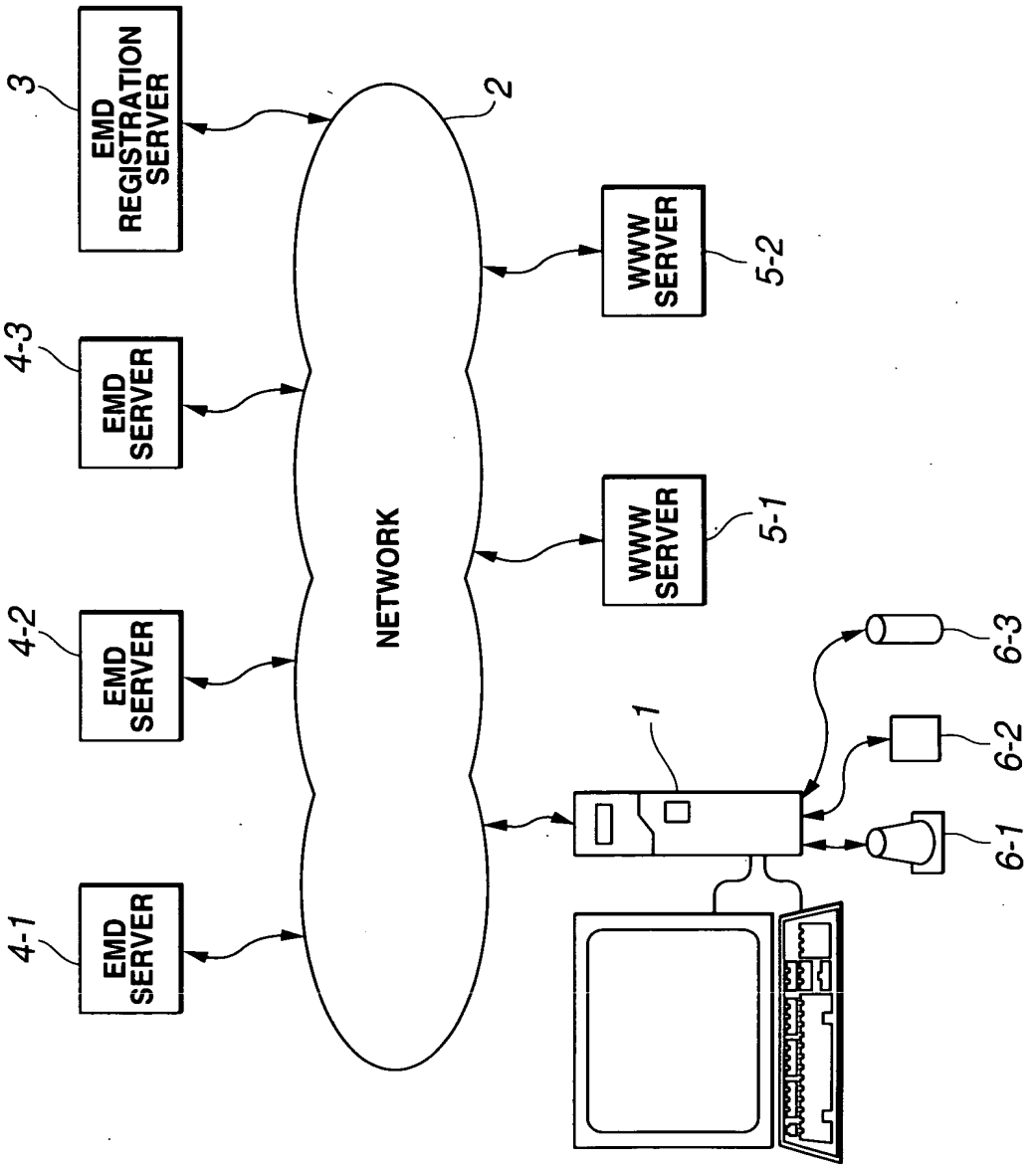


FIG.1

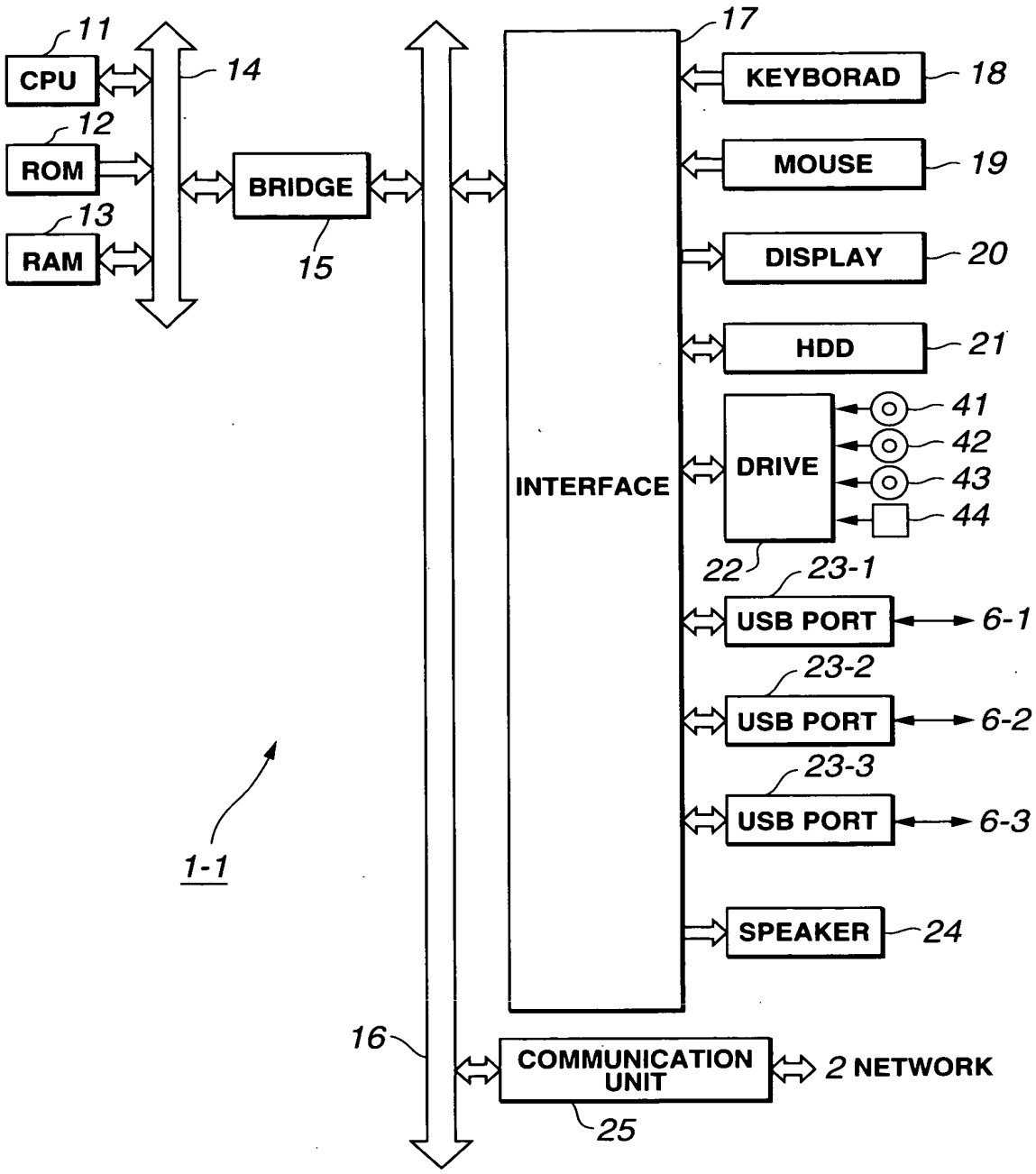

11
CPU
12
ROM
13
RAM
14
BRIDGE
15
16
17
INTERFACE
KEYBORAD
18
MOUSE
19
DISPLAY
20
HDD
21
DRIVE
41
42
43
44
22
23-1
USB PORT
6-1
23-2
USB PORT
6-2
23-3
USB PORT
6-3
SPEAKER
24
COMMUNICATION UNIT
25
2 NETWORK
1-1

FIG.2

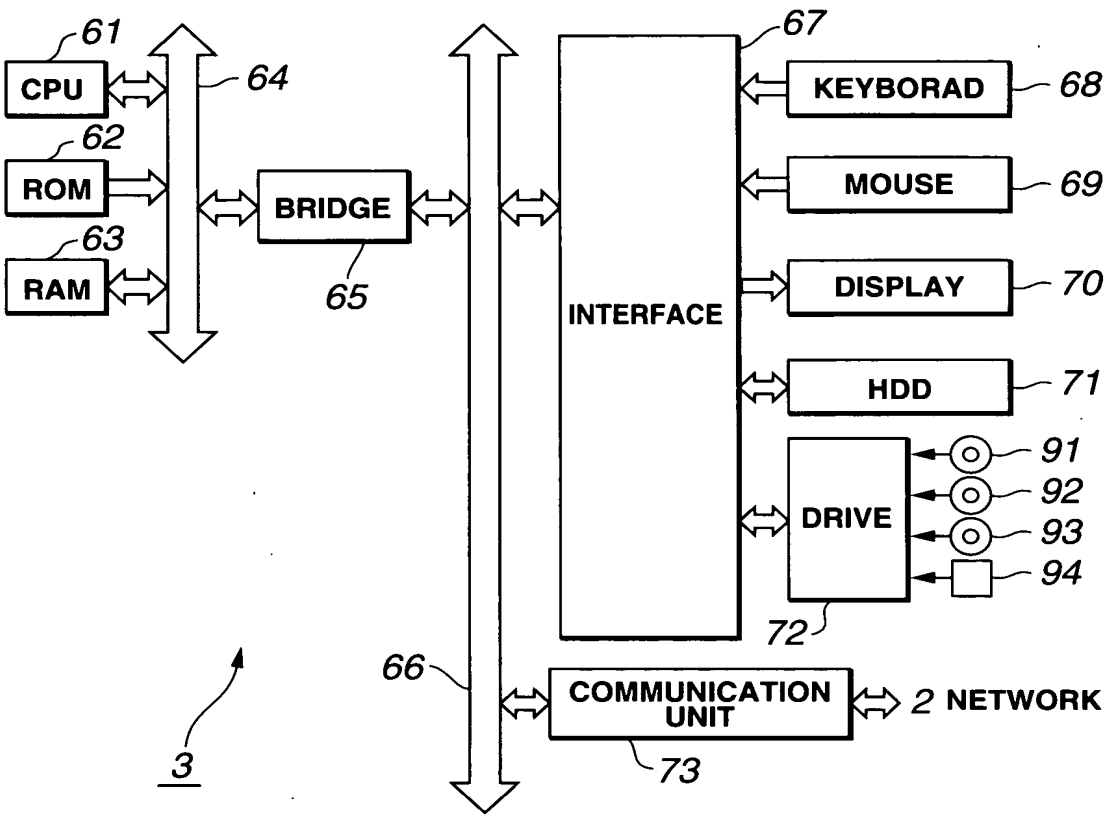


FIG.3

DOCKET NO. 0033-0500

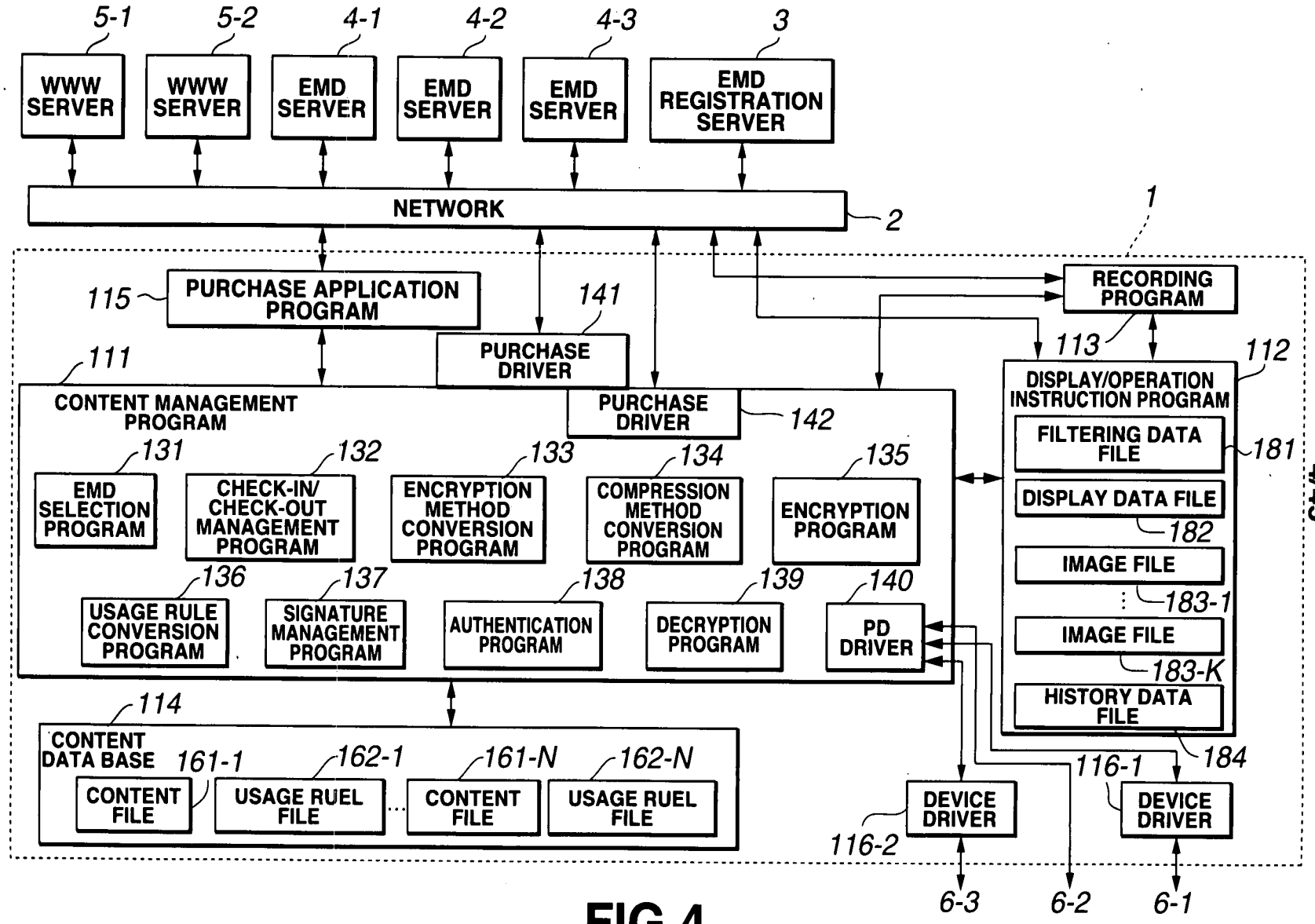


FIG.4

09/889023

CONTENT ID	CHECKOUT POSSIBLE ?	NUMBER OF POSSIBLE CHECKOUTS	MOVE POSSIBLE ?	COPY POSSIBLE ?	NUMBER OF POSSIBLE COPIES	USAGE PERIOD		CONTENT-USABLE DISTRICT	SIGNATURE
						START DATE	END DATE		
123XDES3	YES	3	NO	NO	—	99.11. 1	99.12. 3	JAPAN	XXYYSBYE

FIG.5

09/889023

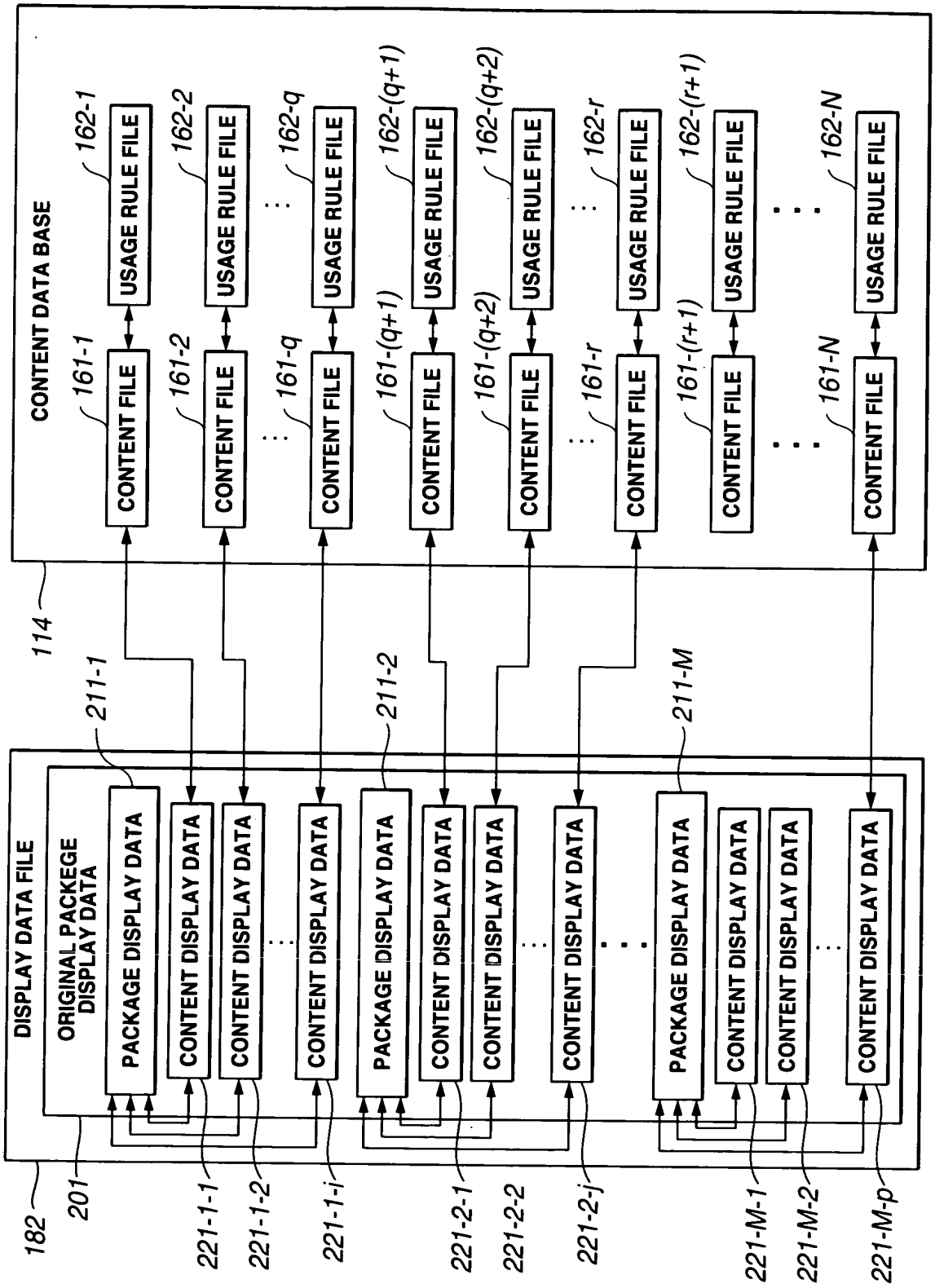

CONTENT DATA BASE
114
161-1
CONTENT FILE
162-1
USAGE RULE FILE
161-2
CONTENT FILE
162-2
USAGE RULE FILE
161-q
CONTENT FILE
162-q
USAGE RULE FILE
161-(q+1)
CONTENT FILE
162-(q+1)
USAGE RULE FILE
161-(q+2)
CONTENT FILE
162-(q+2)
USAGE RULE FILE
161-r
CONTENT FILE
162-r
USAGE RULE FILE
161-(r+1)
CONTENT FILE
162-(r+1)
USAGE RULE FILE
161-N
CONTENT FILE
162-N
USAGE RULE FILE
DISPLAY DATA FILE
182
ORIGINAL PACKEGE DISPLAY DATA
201
211-1
PACKAGE DISPLAY DATA
CONTENT DISPLAY DATA
221-1-1
CONTENT DISPLAY DATA
221-1-2
CONTENT DISPLAY DATA
221-1-i
211-2
PACKAGE DISPLAY DATA
CONTENT DISPLAY DATA
221-2-1
CONTENT DISPLAY DATA
221-2-2
CONTENT DISPLAY DATA
221-2-j
211-M
PACKAGE DISPLAY DATA
CONTENT DISPLAY DATA
221-M-1
CONTENT DISPLAY DATA
221-M-2
CONTENT DISPLAY DATA
221-M-p

FIG.6

PACKAGE ID	PACKAGE TYPE	PACKAGE NAME	ARTIST NAME	GENRE NAME	PLAY TIME	REGISTRATION DATA	CORRESPONDING IMAGE FILE
PPP753	ORIGINAL	FIRST	A. TARO	POP	54:23:00	99.11. 1	CoverArt1.JPG
ID FOR CONTENT BELONGING TO PACKAGE							
123×DES3	123×DES4	123×DES5	123×DES6	123×DES7	123×DES8	123×DES9	123×DET0

FIG.7A

FIG.7B

CONTENT ID	ORIGINAL PACKAGE	CONTENT NAME	NUMBER OF POSSIBLE CHECKOUTS	PLAY TIME	CORRESPONDING IMAGE FILE
123×DES3	PPP753	MINAMI-NO-SAKABA	3	3:05	CoverArt2.jpg

FIG.7C

CONTENT ID	DATA TYPE	DATA
123×DES3	CYBER CODE	XXXYYY
123×DES3	ISRC CODE	ZZZZZZZ
123×DES3	SONGWRITER NAME	ABE
123×DES3	COMPOSER NAME	KATO
123×DES4	CYBER CODE	DDDDKK
123×DES4	ISRC CODE	ZZZZZZZ
⋮	⋮	⋮

09/889023

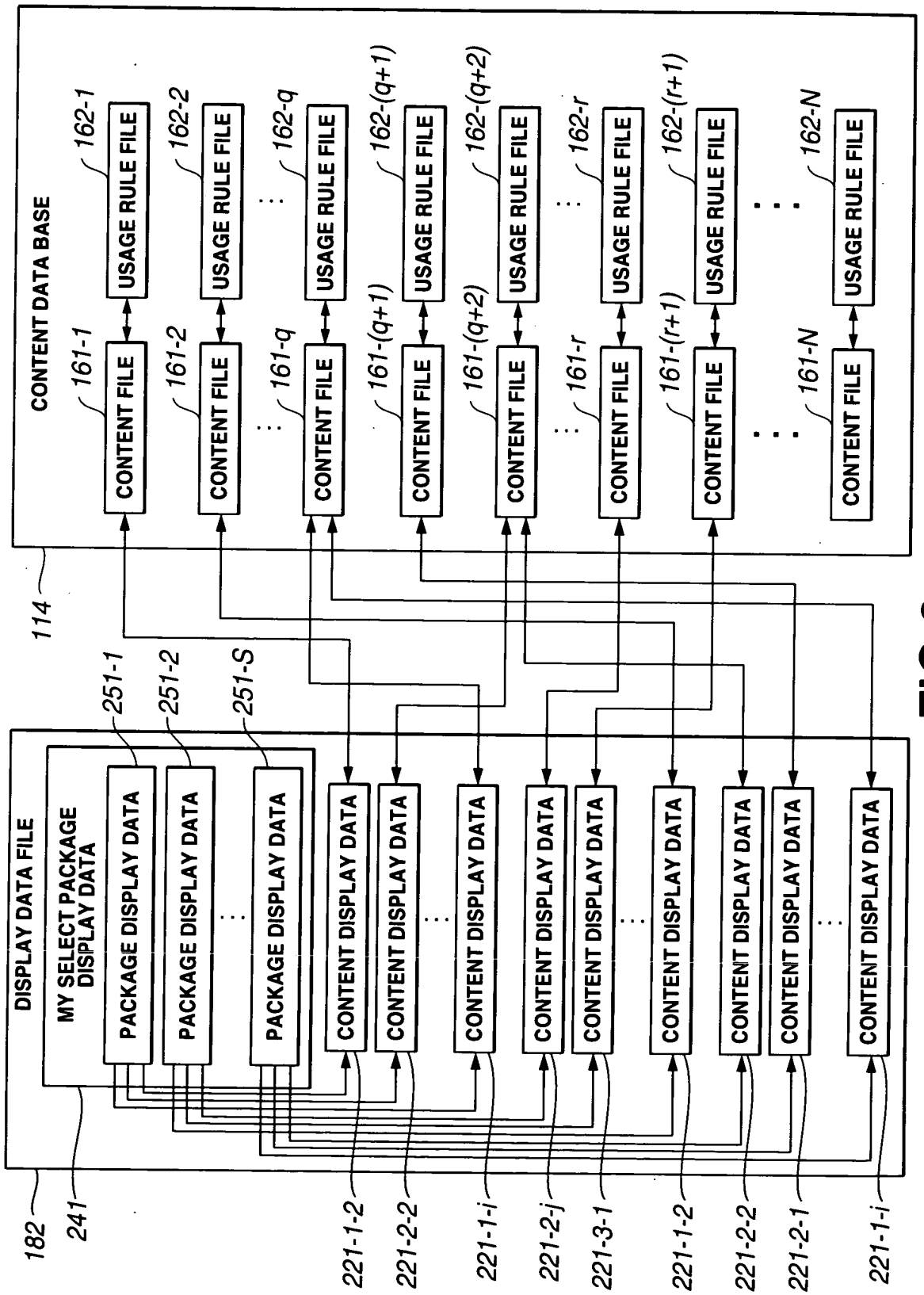

CONTENT DATA BASE
114
USAGE RULE FILE
CONTENT FILE
162-1
162-2
162-q
162-(q+1)
162-(q+2)
162-r
162-(r+1)
162-N
161-1
161-2
161-q
161-(q+1)
161-(q+2)
161-r
161-(r+1)
161-N
DISPLAY DATA FILE
182
241
MY SELECT PACKAGE DISPLAY DATA
PACKAGE DISPLAY DATA
251-1
251-2
251-S
CONTENT DISPLAY DATA
221-1-2
221-2-2
221-1-i
221-2-j
221-3-1
221-1-2
221-2-2
221-2-1
221-1-i

FIG.8

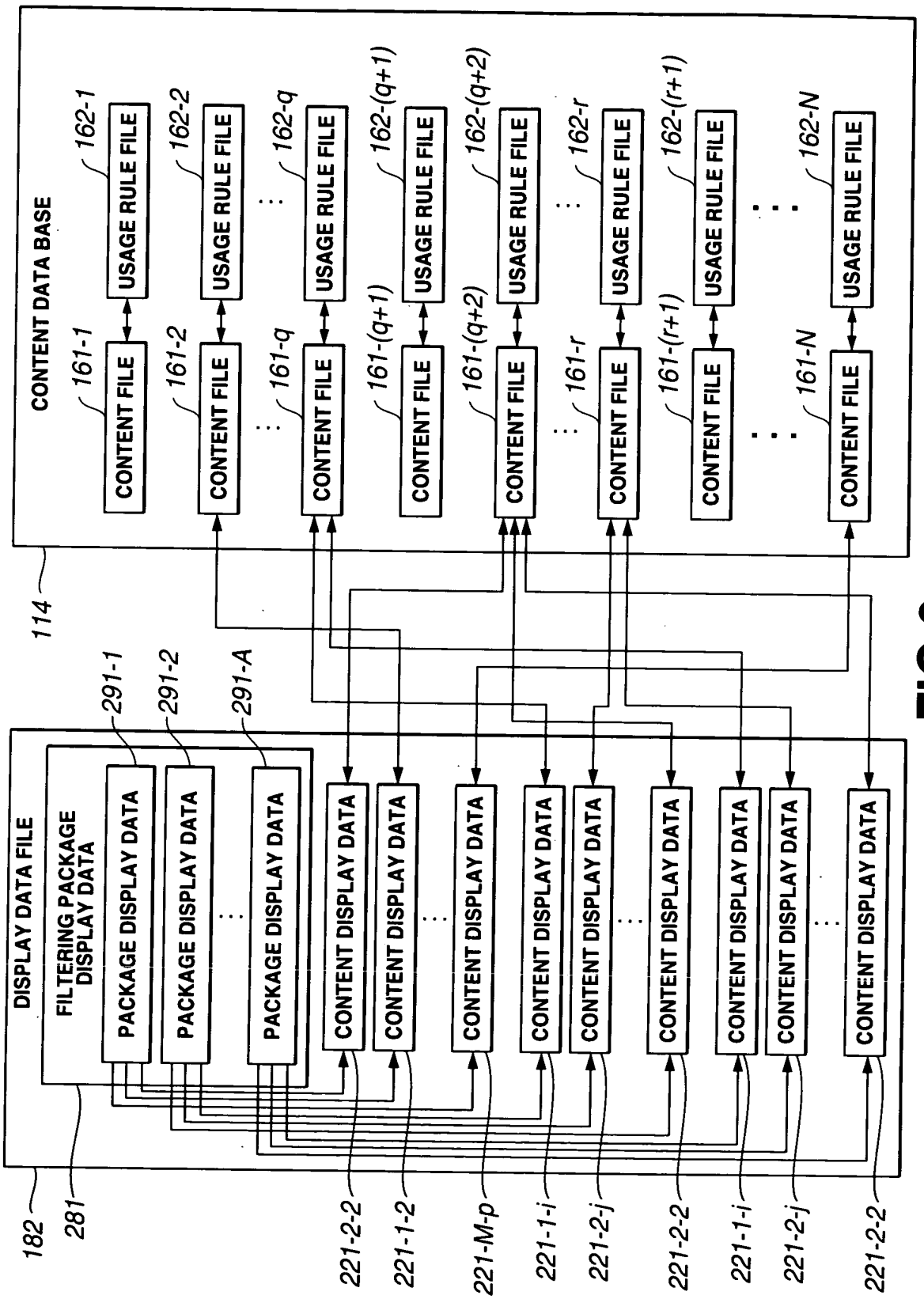

CONTENT DATA BASE
114
161-1
CONTENT FILE
162-1
USAGE RULE FILE
161-2
CONTENT FILE
162-2
USAGE RULE FILE
161-q
CONTENT FILE
162-q
USAGE RULE FILE
161-(q+1)
CONTENT FILE
162-(q+1)
USAGE RULE FILE
161-(q+2)
CONTENT FILE
162-(q+2)
USAGE RULE FILE
161-r
CONTENT FILE
162-r
USAGE RULE FILE
161-(r+1)
CONTENT FILE
162-(r+1)
USAGE RULE FILE
161-N
CONTENT FILE
162-N
USAGE RULE FILE
DISPLAY DATA FILE
182
FILTERING PACKAGE DISPLAY DATA
281
291-1
PACKAGE DISPLAY DATA
291-2
PACKAGE DISPLAY DATA
291-A
PACKAGE DISPLAY DATA
CONTENT DISPLAY DATA
221-2-2
CONTENT DISPLAY DATA
221-1-2
CONTENT DISPLAY DATA
221-M-p
CONTENT DISPLAY DATA
221-1-i
CONTENT DISPLAY DATA
221-2-j
CONTENT DISPLAY DATA
221-2-2
CONTENT DISPLAY DATA
221-1-i
CONTENT DISPLAY DATA
221-2-j
CONTENT DISPLAY DATA
221-2-2

FIG.9

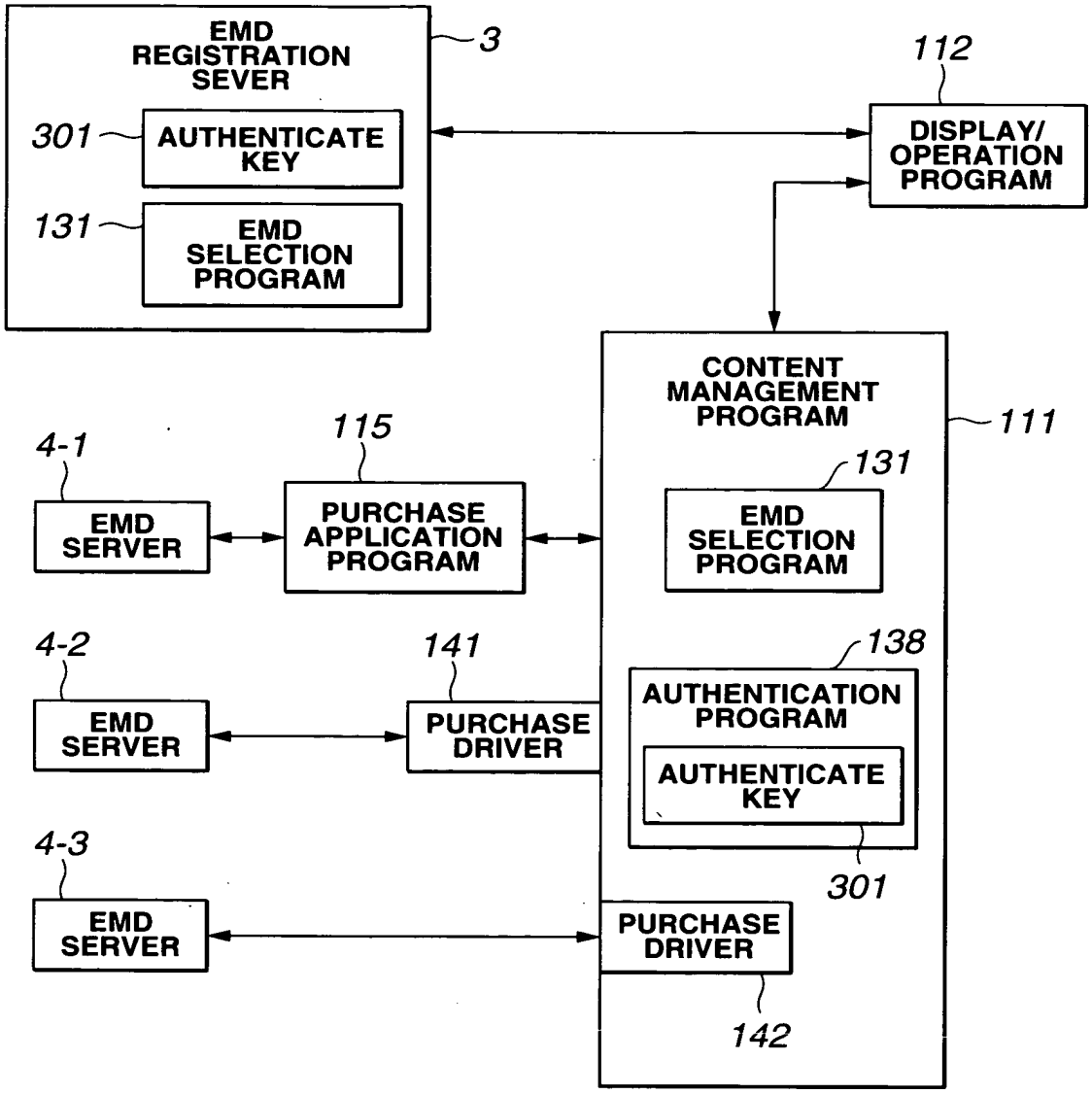

EMD REGISTRATION SEVER
3
301
AUTHENTICATE KEY
131
EMD SELECTION PROGRAM
112
DISPLAY/ OPERATION PROGRAM
CONTENT MANAGEMENT PROGRAM
111
4-1
115
EMD SERVER
PURCHASE APPLICATION PROGRAM
131
EMD SELECTION PROGRAM
4-2
141
138
EMD SERVER
PURCHASE DRIVER
AUTHENTICATION PROGRAM
AUTHENTICATE KEY
301
4-3
EMD SERVER
PURCHASE DRIVER
142

FIG.10

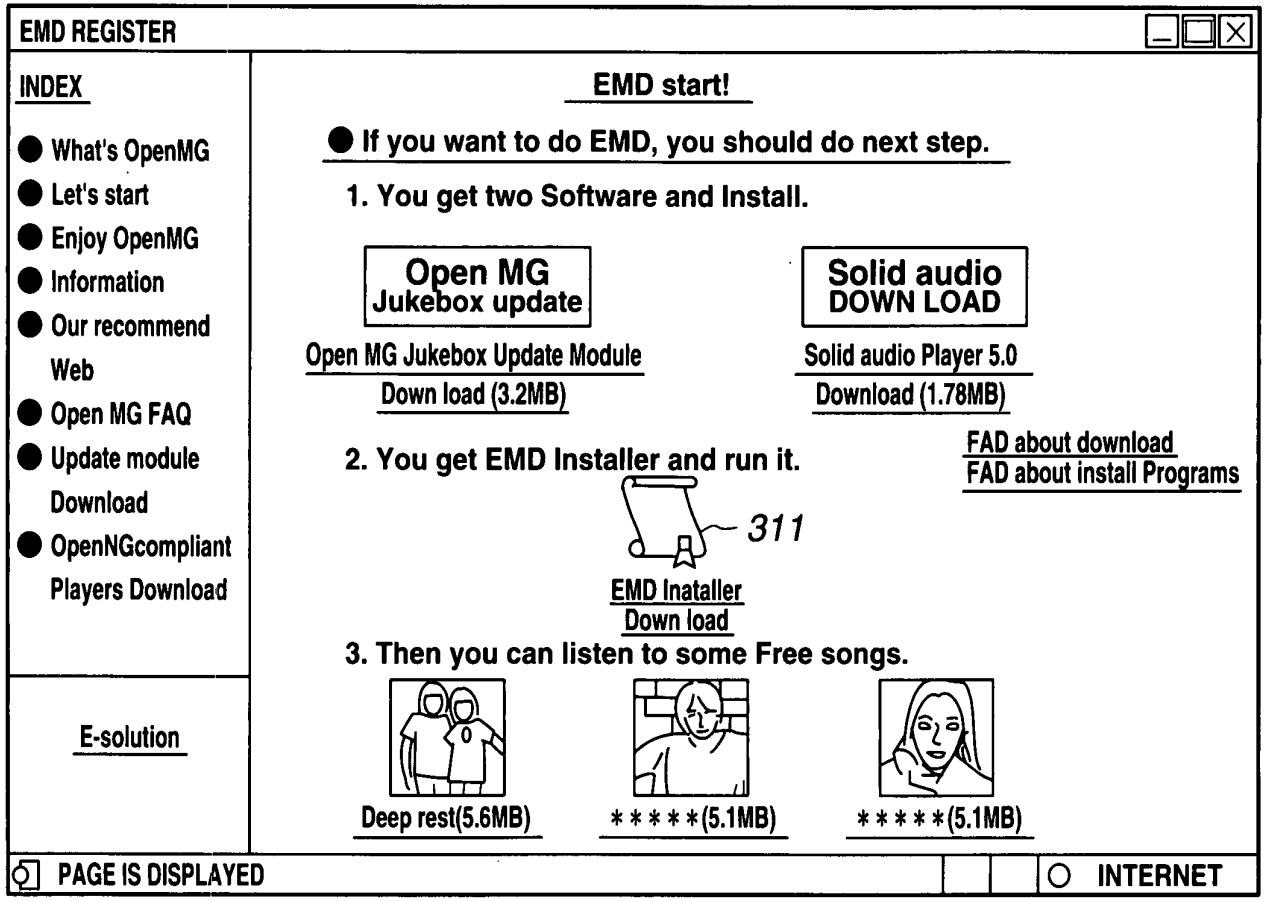


FIG.11

09/889023

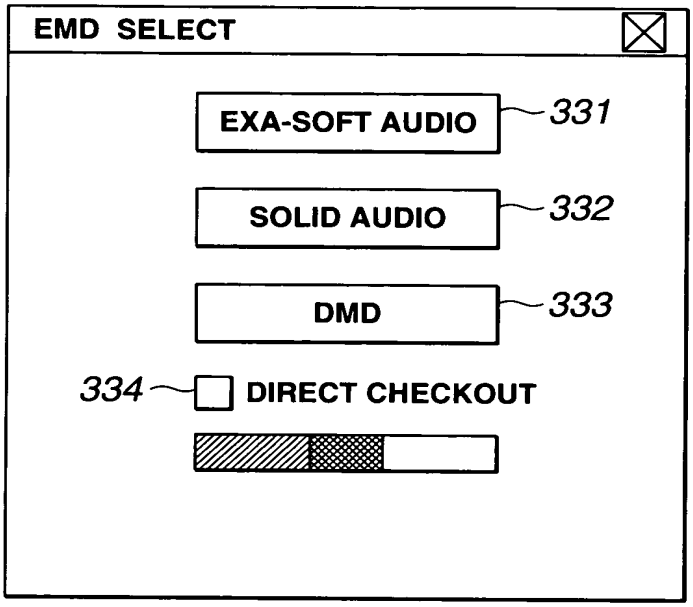


FIG.12

US08889023-040104

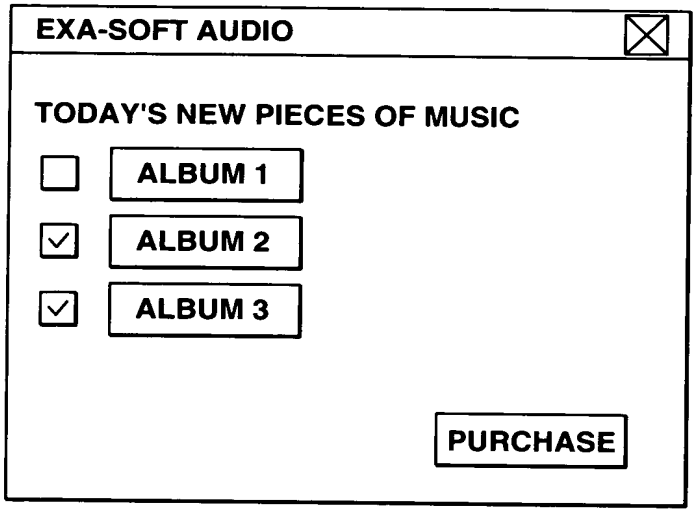


FIG.13

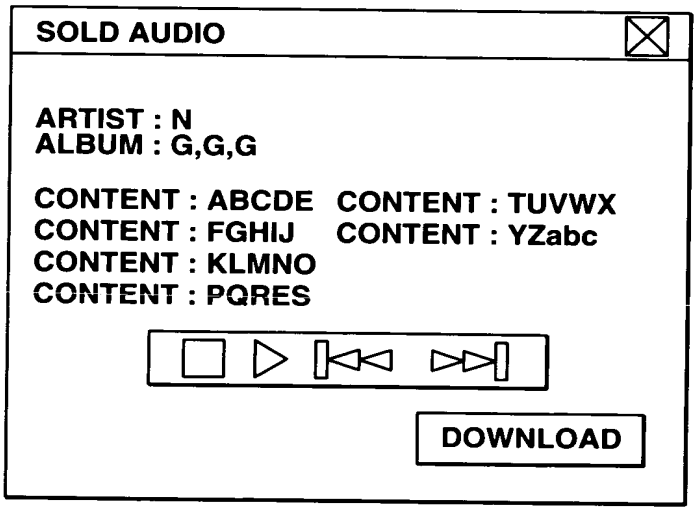


FIG.14

09889023 - 091404

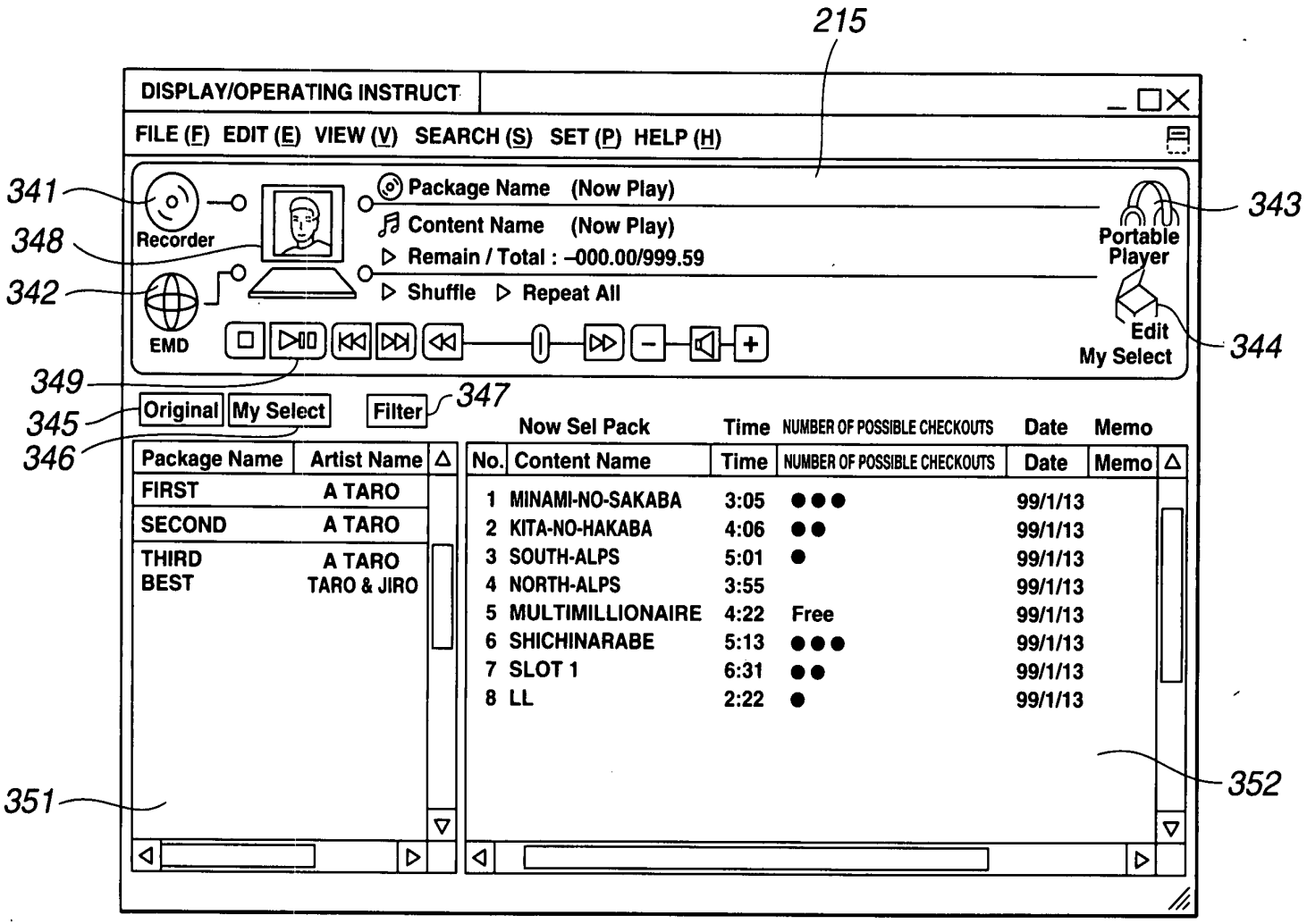


FIG.15

09/889023

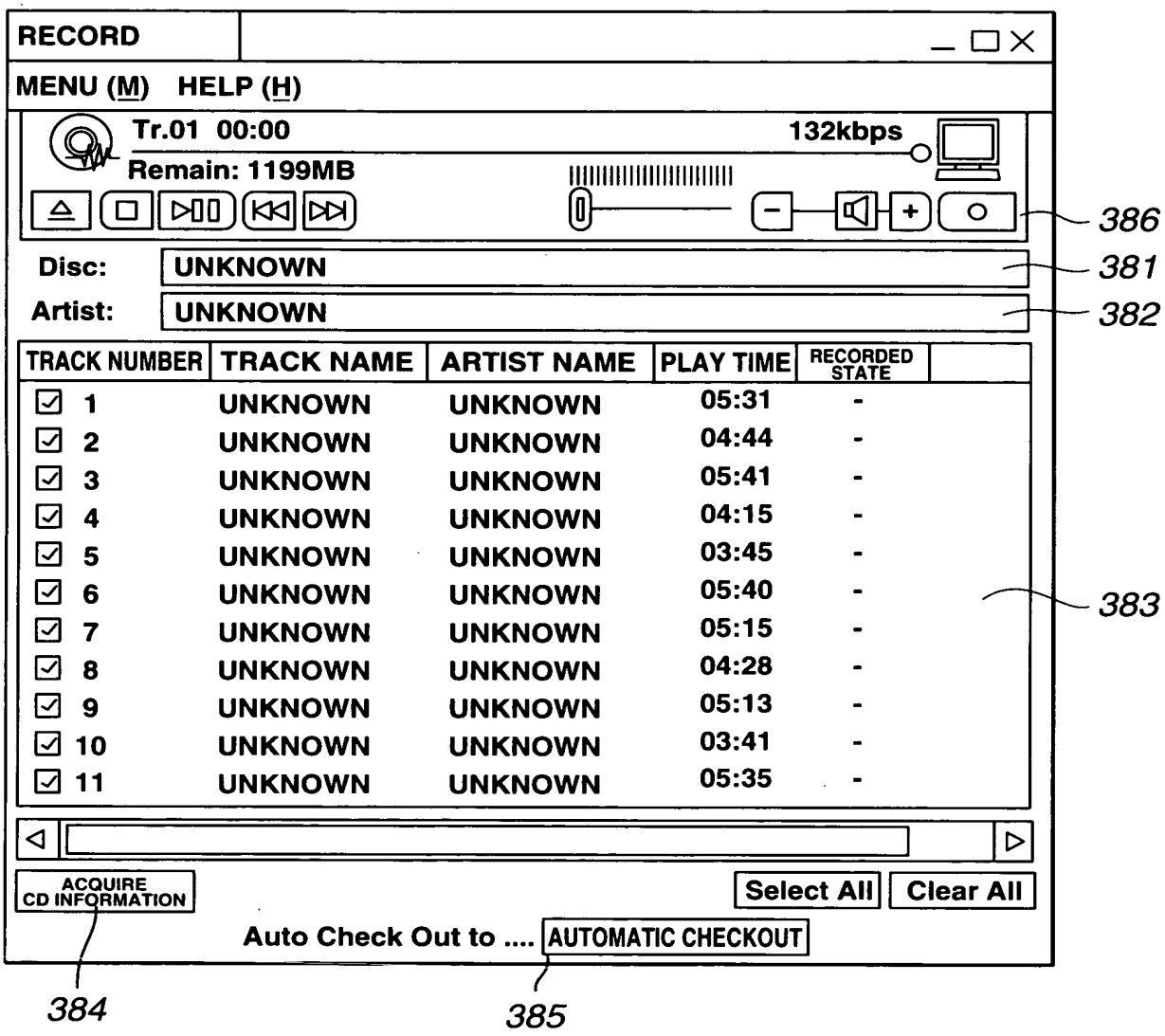

RECORD
MENU (M) HELP (H)
Tr.01 00:00
132kbps
Remain: 1199MB
386
Disc: UNKNOWN
381
Artist: UNKNOWN
382
TRACK NUMBER | TRACK NAME | ARTIST NAME | PLAY TIME | RECORDED STATE
1 UNKNOWN UNKNOWN 05:31 -
2 UNKNOWN UNKNOWN 04:44 -
3 UNKNOWN UNKNOWN 05:41 -
4 UNKNOWN UNKNOWN 04:15 -
5 UNKNOWN UNKNOWN 03:45 -
6 UNKNOWN UNKNOWN 05:40 -
7 UNKNOWN UNKNOWN 05:15 -
8 UNKNOWN UNKNOWN 04:28 -
9 UNKNOWN UNKNOWN 05:13 -
10 UNKNOWN UNKNOWN 03:41 -
11 UNKNOWN UNKNOWN 05:35 -
383
ACQUIRE CD INFORMATION
Select All
Clear All
Auto Check Out to .... AUTOMATIC CHECKOUT
384
385

FIG.16

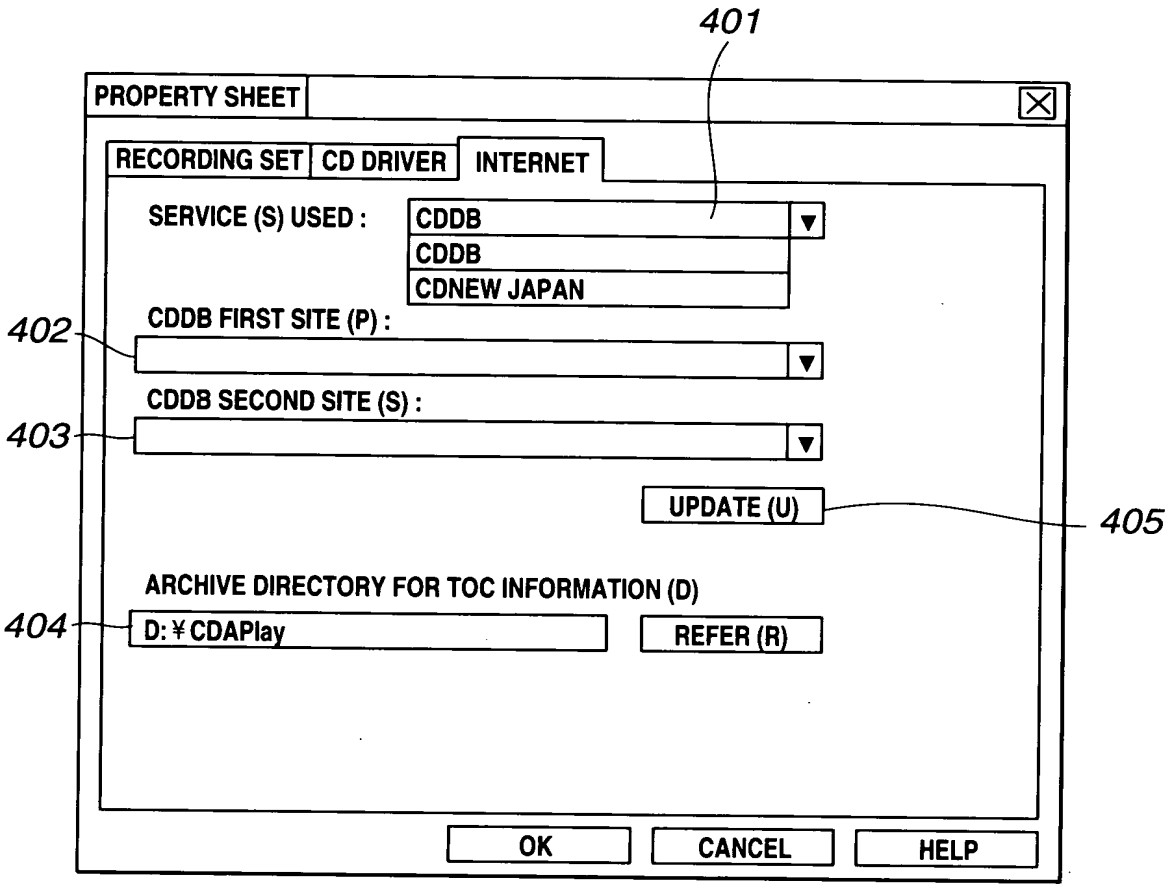

401
PROPERTY SHEET
RECORDING SET
CD DRIVER
INTERNET
SERVICE (S) USED :
CDDB
CDDB
CDNEW JAPAN
402
CDDB FIRST SITE (P) :
403
CDDB SECOND SITE (S) :
UPDATE (U)
405
ARCHIVE DIRECTORY FOR TOC INFORMATION (D)
404
D:¥CDAPlay
REFER (R)
OK
CANCEL
HELP

FIG.17

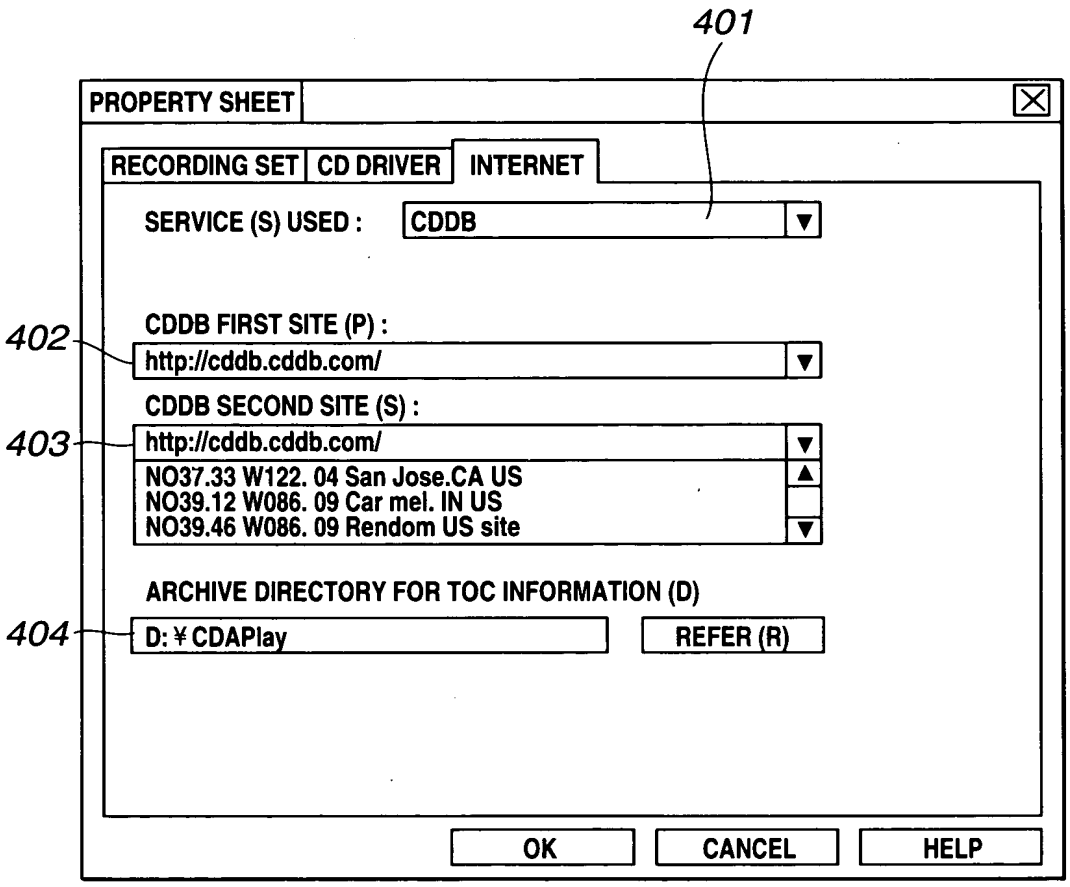

401
PROPERTY SHEET
RECORDING SET
CD DRIVER
INTERNET
SERVICE (S) USED :
CDDB
402
CDDB FIRST SITE (P) :
http://cddb.cddb.com/
CDDB SECOND SITE (S) :
403
http://cddb.cddb.com/
NO37.33 W122. 04 San Jose.CA US
NO39.12 W086. 09 Car mel. IN US
NO39.46 W086. 09 Rendom US site
ARCHIVE DIRECTORY FOR TOC INFORMATION (D)
404
D: ¥ CDAPlay
REFER (R)
OK
CANCEL
HELP

FIG.18

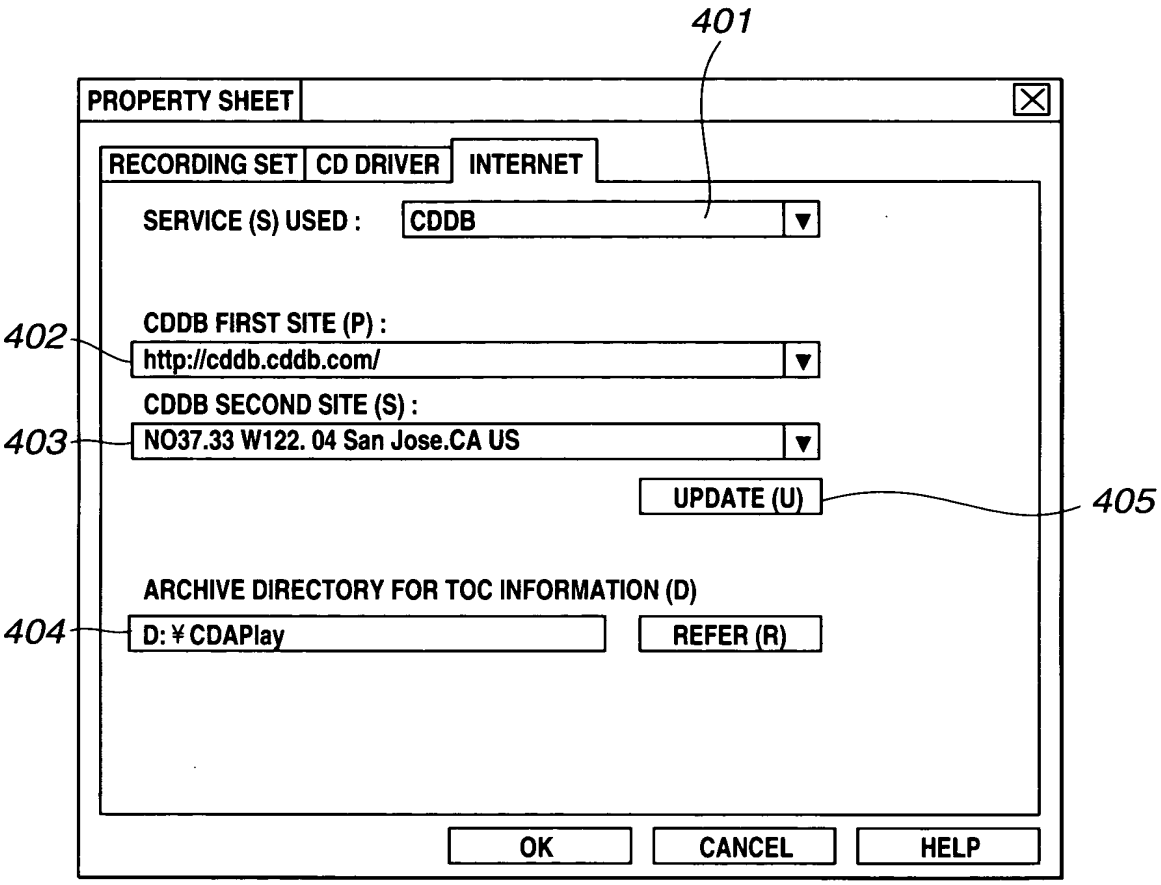

401
PROPERTY SHEET
RECORDING SET
CD DRIVER
INTERNET
SERVICE (S) USED :
CDDB
402
CDDB FIRST SITE (P) :
http://cddb.cddb.com/
403
CDDB SECOND SITE (S) :
NO37.33 W122. 04 San Jose.CA US
UPDATE (U)
405
ARCHIVE DIRECTORY FOR TOC INFORMATION (D)
404
D: ¥ CDAPlay
REFER (R)
OK
CANCEL
HELP

FIG.19

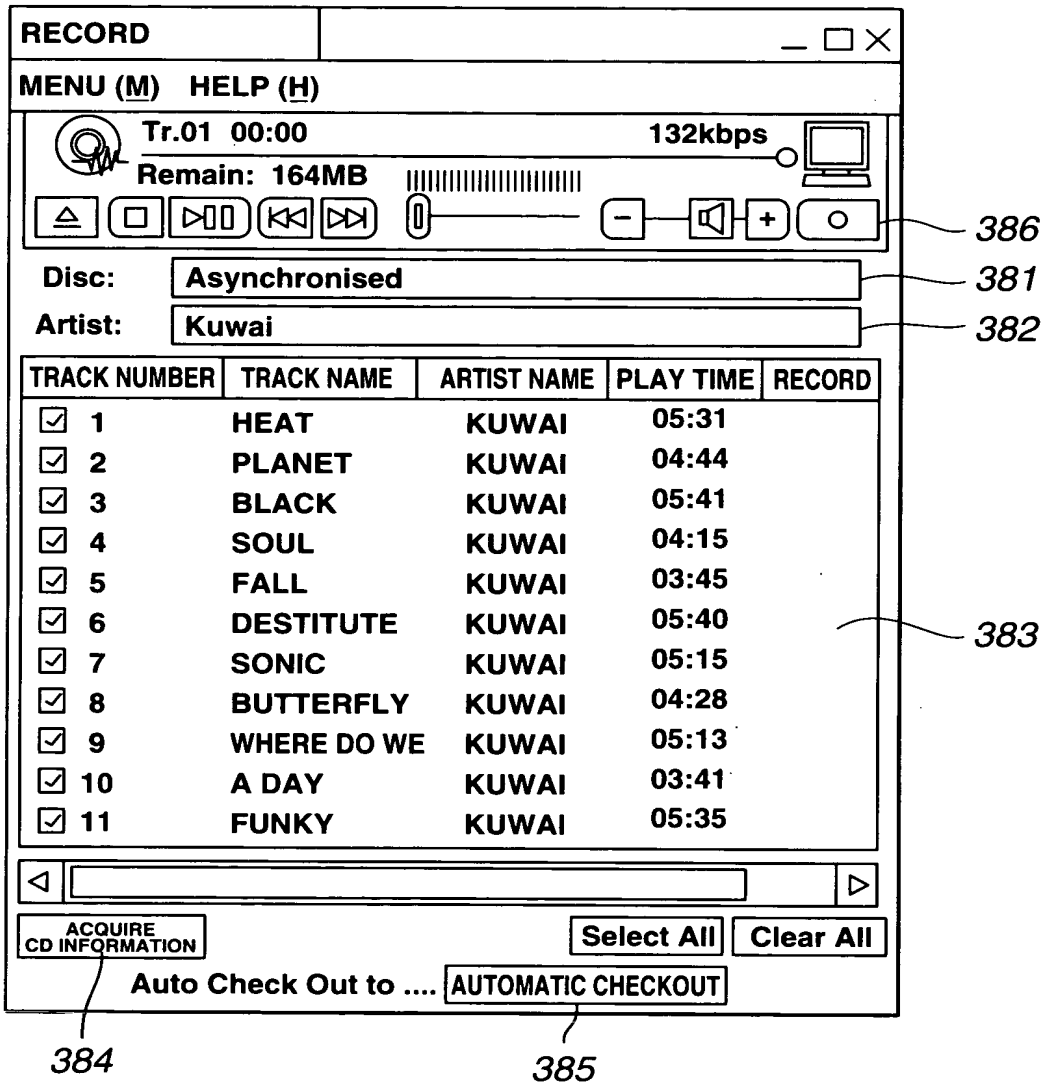

RECORD
MENU (M) HELP (H)
Tr.01 00:00
132kbps
Remain: 164MB
386
Disc: Asynchronised
381
Artist: Kuwai
382
TRACK NUMBER | TRACK NAME | ARTIST NAME | PLAY TIME | RECORD
1 HEAT KUWAI 05:31
2 PLANET KUWAI 04:44
3 BLACK KUWAI 05:41
4 SOUL KUWAI 04:15
5 FALL KUWAI 03:45
6 DESTITUTE KUWAI 05:40
7 SONIC KUWAI 05:15
8 BUTTERFLY KUWAI 04:28
9 WHERE DO WE KUWAI 05:13
10 A DAY KUWAI 03:41
11 FUNKY KUWAI 05:35
383
ACQUIRE CD INFORMATION
Select All
Clear All
Auto Check Out to ....
AUTOMATIC CHECKOUT
384
385

FIG.20

JP02004030502

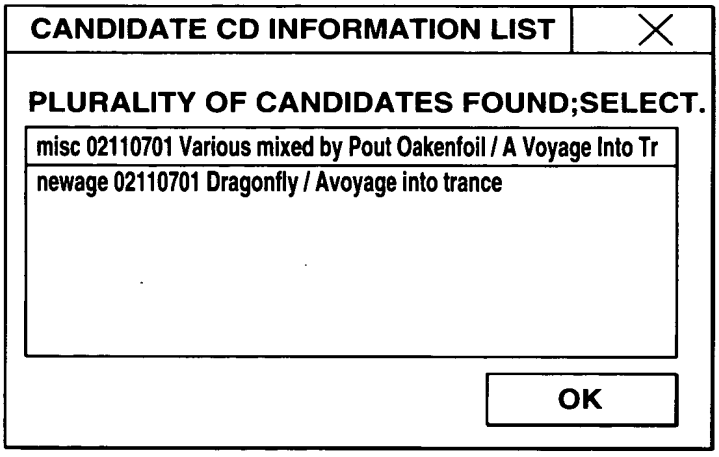


FIG.21

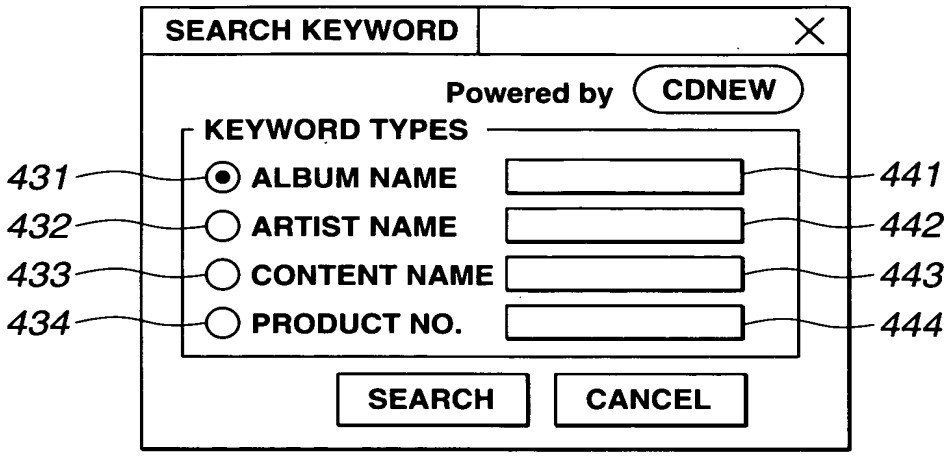


FIG.22

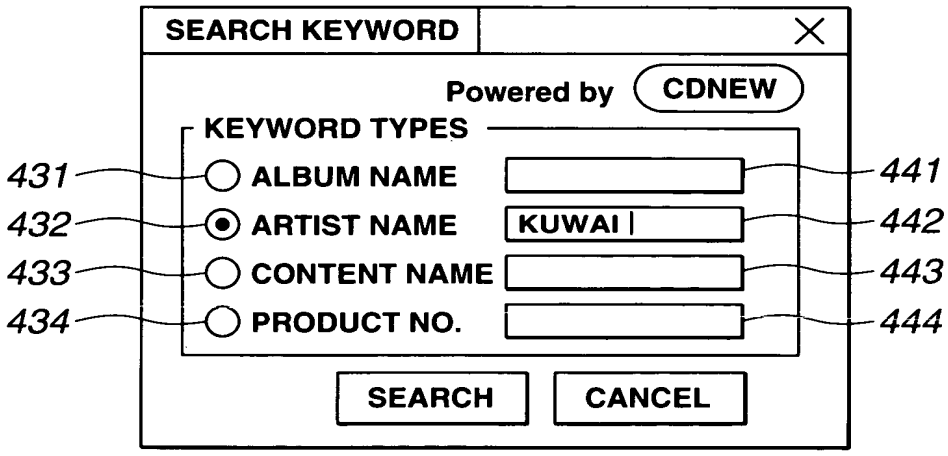


FIG.23

DOCKET NO. 2000-0302

CD SEARCH

<UPDATE | GO TO> | STOP | UPDATE

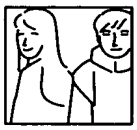
URLhttp//www.CDNEW.co.jp

CDNEW

MUSIC GENRE

- JAPANESE MUSIC
- J-POP NEW MUSIC PIECES OF INTEREST
- J-POP MUSIC PIECES FOR ADULTS
- CD Single
- EUROPEAN MUSIC
- Rock
- Pops
- Alternative/Indie
- R&B
- Hip-Hop
- Electrone/Dance
- Jazz
- World Music
- Other
- New Age
- Family

→ KUWAI

ALBUM	PRICE	
 ASYNCHRONIZED BY KUWAI RELEASED: 06/07/1999	¥ 2520	* BUY CD
HEAT BY KUWAI RELEASED: 05/26/1999	¥ 1260	* BUY CD
UNDERGROUND BY KUWAI RELEASED: 05/20/1998	¥ 1260	* BUY CD

RE-SEARCH | CLOSE

FIG.24

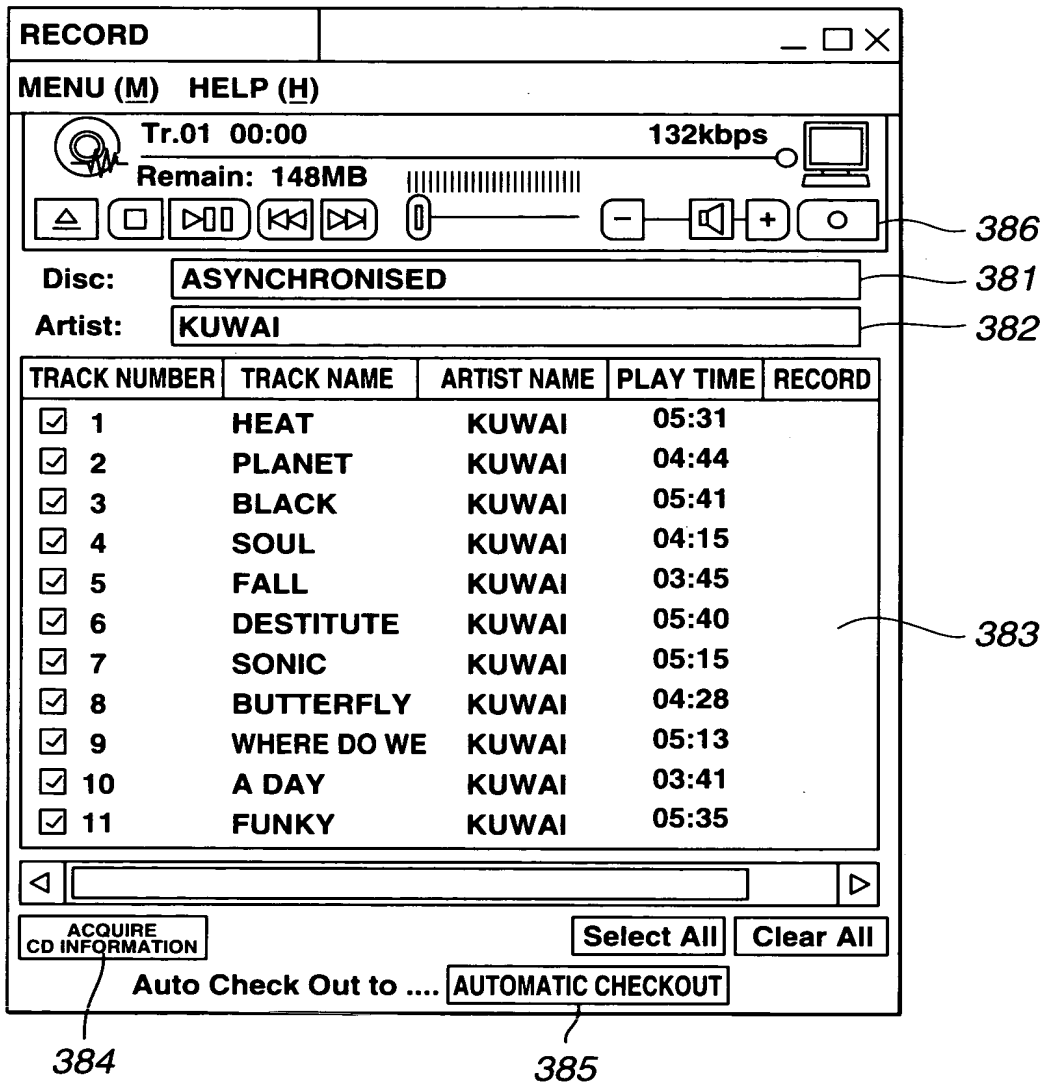

RECORD
MENU (M) HELP (H)
Tr.01 00:00
132kbps
Remain: 148MB
386
Disc: ASYNCHRONISED
381
Artist: KUWAI
382
TRACK NUMBER | TRACK NAME | ARTIST NAME | PLAY TIME | RECORD
1 HEAT KUWAI 05:31
2 PLANET KUWAI 04:44
3 BLACK KUWAI 05:41
4 SOUL KUWAI 04:15
5 FALL KUWAI 03:45
6 DESTITUTE KUWAI 05:40
7 SONIC KUWAI 05:15
8 BUTTERFLY KUWAI 04:28
9 WHERE DO WE KUWAI 05:13
10 A DAY KUWAI 03:41
11 FUNKY KUWAI 05:35
383
ACQUIRE CD INFORMATION
Select All
Clear All
Auto Check Out to ....
AUTOMATIC CHECKOUT
384
385

FIG.25

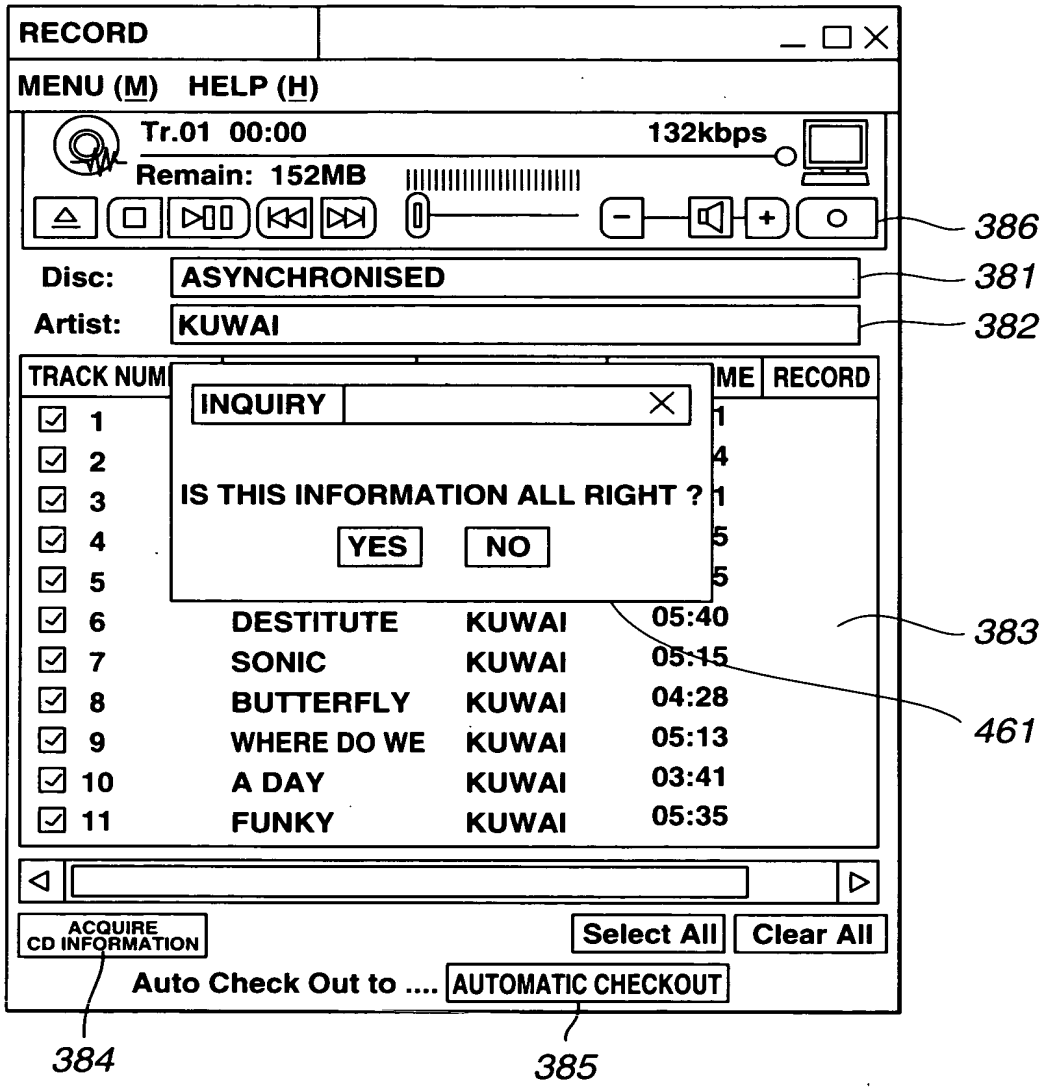

RECORD
MENU (M) HELP (H)
Tr.01 00:00
132kbps
Remain: 152MB
386
Disc: ASYNCHRONISED
381
Artist: KUWAI
382
TRACK NUM
ME
RECORD
INQUIRY
IS THIS INFORMATION ALL RIGHT ?
YES
NO
1
2
3
4
5
6 DESTITUTE KUWAI 05:40
7 SONIC KUWAI 05:15
8 BUTTERFLY KUWAI 04:28
9 WHERE DO WE KUWAI 05:13
10 A DAY KUWAI 03:41
11 FUNKY KUWAI 05:35
383
461
ACQUIRE CD INFORMATION
Select All
Clear All
Auto Check Out to ....
AUTOMATIC CHECKOUT
384
385

FIG.26

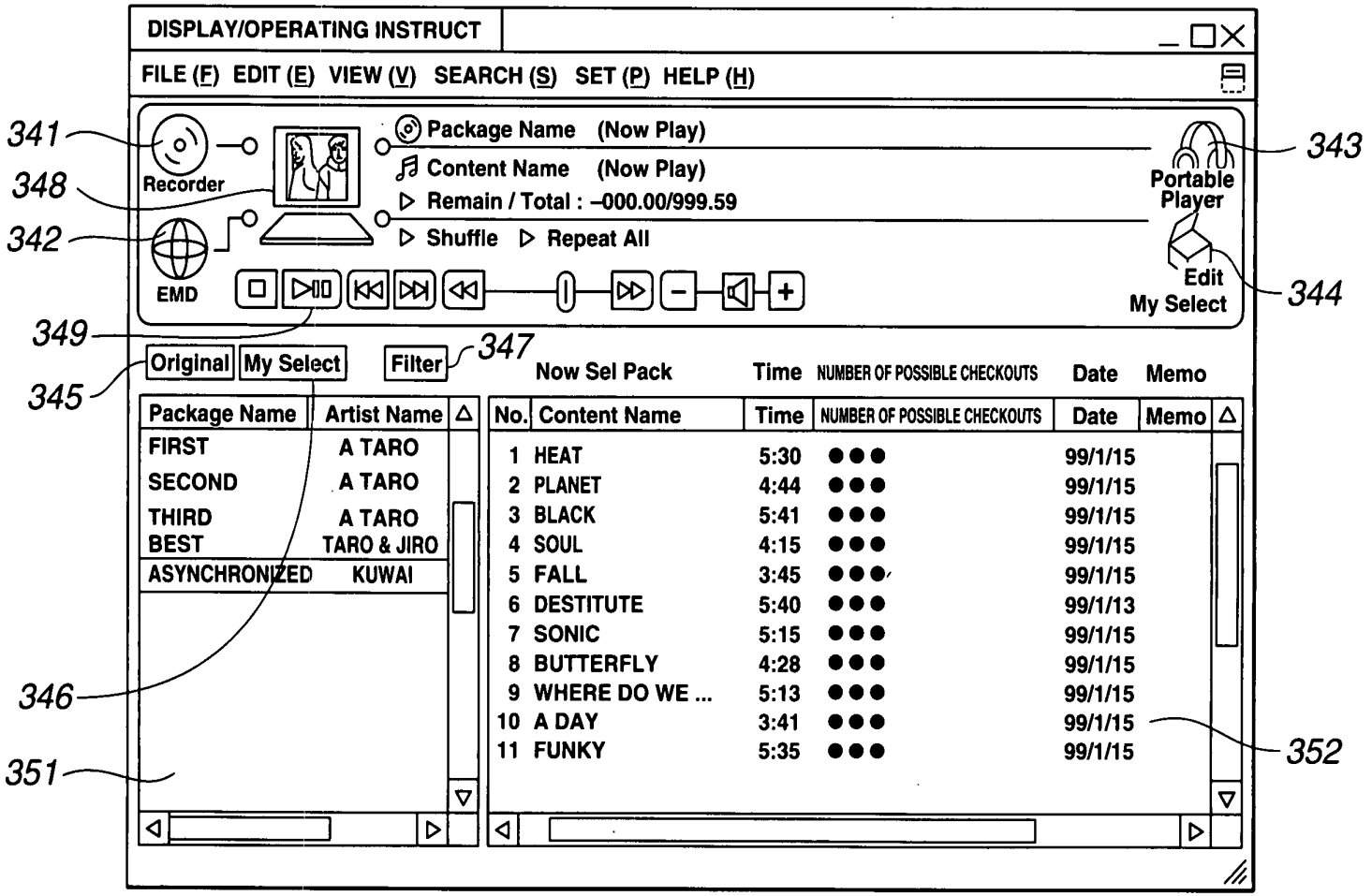


FIG.27

09/889023

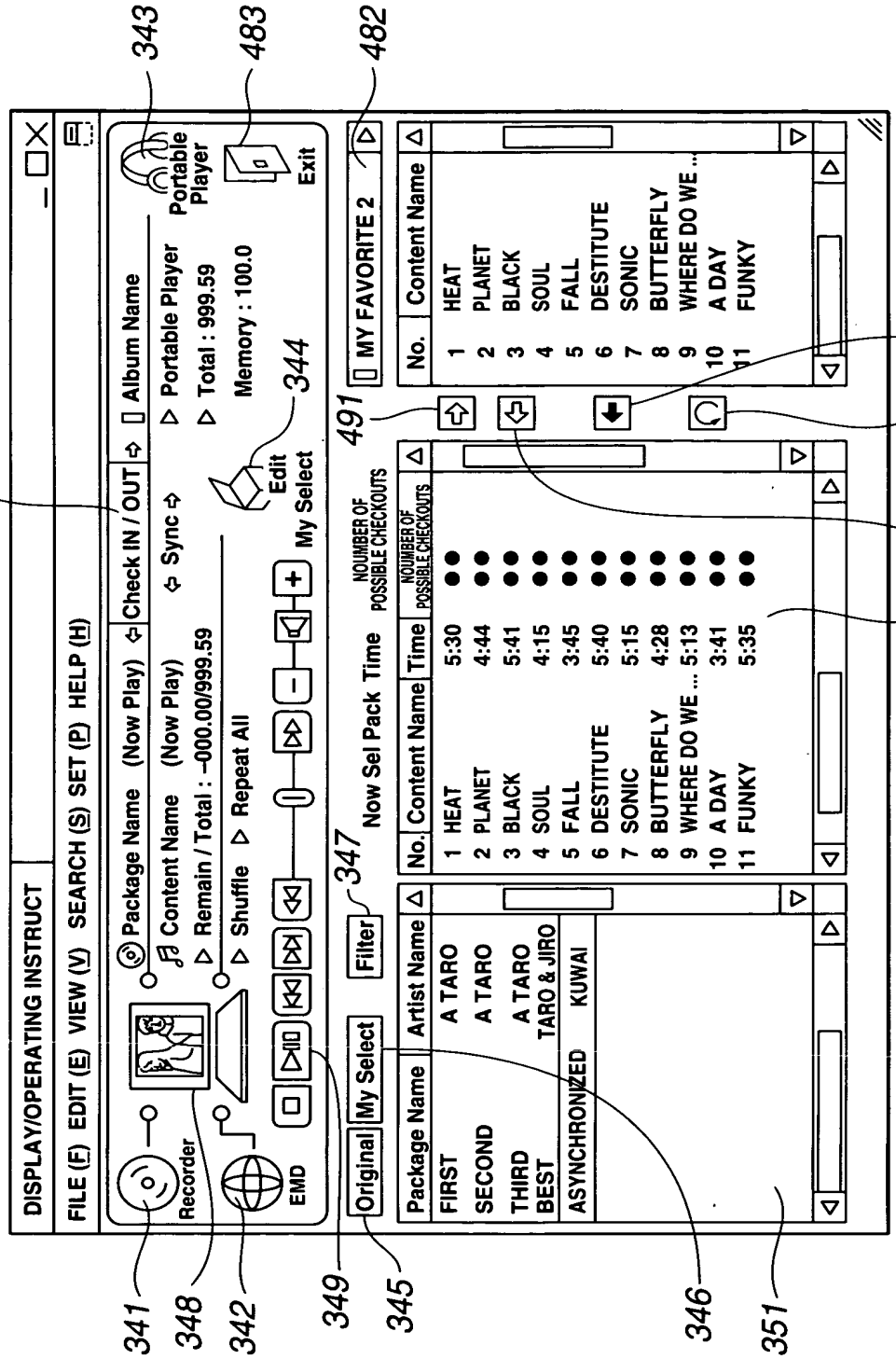

DISPLAY/OPERATING INSTRUCT
FILE (F) EDIT (E) VIEW (V) SEARCH (S) SET (P) HELP (H)
Package Name (Now Play)
Content Name (Now Play)
Remain / Total : -000.00/999.59
Shuffle
Repeat All
Check IN / OUT
Sync
Album Name
Portable Player
Total : 999.59
Memory : 100.0
Edit
My Select
Portable Player
Exit
MY FAVORITE 2
Recorder
EMD
Original
My Select
Filter
Now Sel Pack Time
NOUMBER OF POSSIBLE CHECKOUTS
Package Name
Artist Name
FIRST A TARO
SECOND A TARO
THIRD A TARO
BEST TARO & JIRO
ASYNCHRONIZED KUWAI
No. Content Name Time
1 HEAT 5:30
2 PLANET 4:44
3 BLACK 5:41
4 SOUL 4:15
5 FALL 3:45
6 DESTITUTE 5:40
7 SONIC 5:15
8 BUTTERFLY 4:28
9 WHERE DO WE ... 5:13
10 A DAY 3:41
11 FUNKY 5:35
No. Content Name
1 HEAT
2 PLANET
3 BLACK
4 SOUL
5 FALL
6 DESTITUTE
7 SONIC
8 BUTTERFLY
9 WHERE DO WE ...
10 A DAY
11 FUNKY
341
342
343
344
345
346
347
348
349
351
352
482
483
484
491
492
493
494

FIG.28

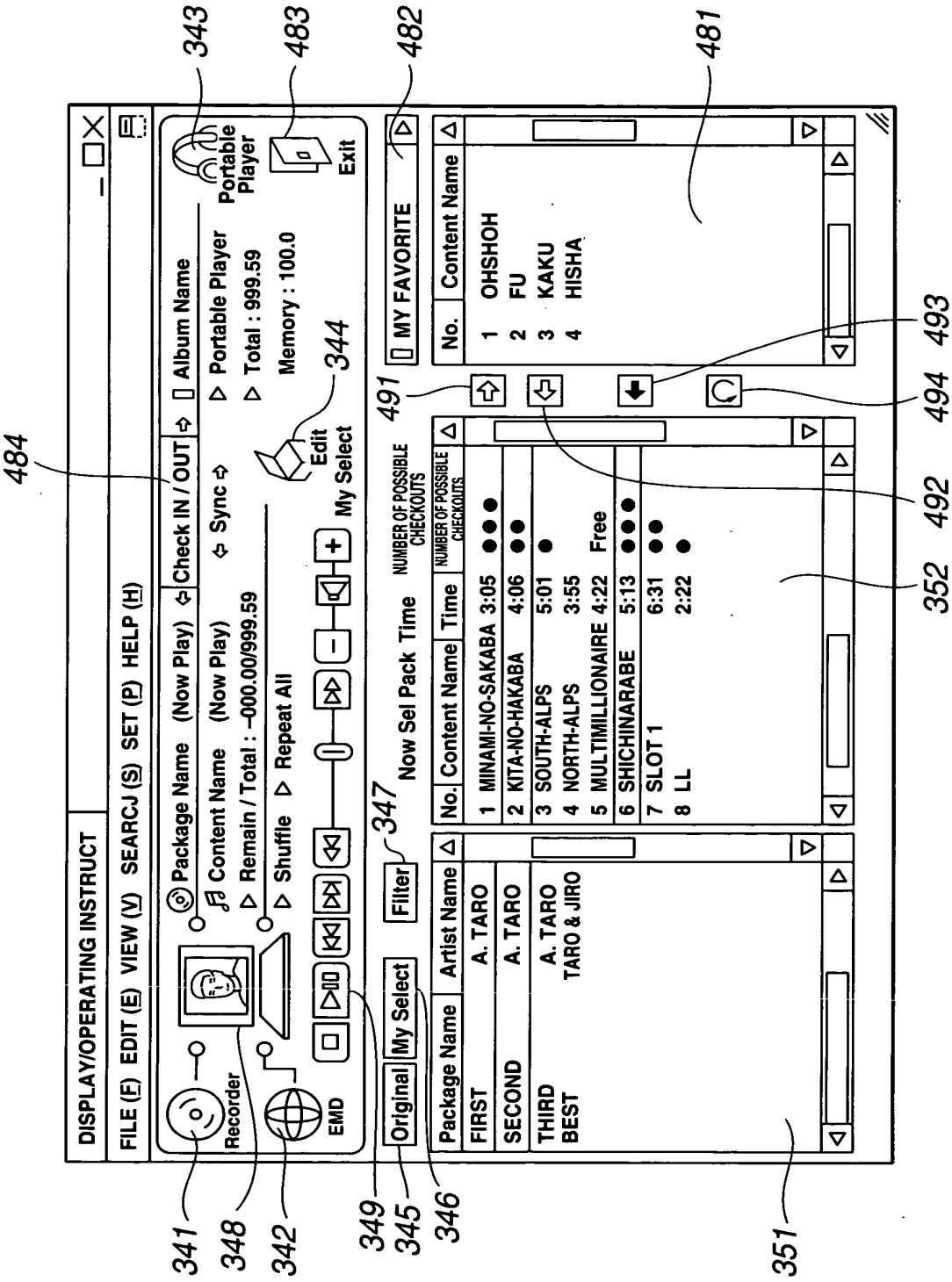

DISPLAY/OPERATING INSTRUCT
FILE (F) EDIT (E) VIEW (V) SEARCJ (S) SET (P) HELP (H)
Package Name (Now Play)
Content Name (Now Play)
Remain / Total : -000.00/999.59
Shuffle
Repeat All
Check IN / OUT
Sync
Album Name
Portable Player
Total : 999.59
Memory : 100.0
Edit
My Select
Portable Player
Exit
MY FAVORITE
Recorder
EMD
Original
My Select
Filter
Now Sel Pack Time
NUMBER OF POSSIBLE CHECKOUTS
Package Name
Artist Name
FIRST A. TARO
SECOND A. TARO
THIRD A. TARO
BEST TARO & JIRO
No. Content Name Time
1 MINAMI-NO-SAKABA 3:05
2 KITA-NO-HAKABA 4:06
3 SOUTH-ALPS 5:01
4 NORTH-ALPS 3:55
5 MULTIMILLIONAIRE 4:22 Free
6 SHICHINARABE 5:13
7 SLOT 1 6:31
8 LL 2:22
No. Content Name
1 OHSHOH
2 FU
3 KAKU
4 HISHA
341
342
343
344
345
346
347
348
349
351
352
481
482
483
484
491
492
493
494

FIG.29

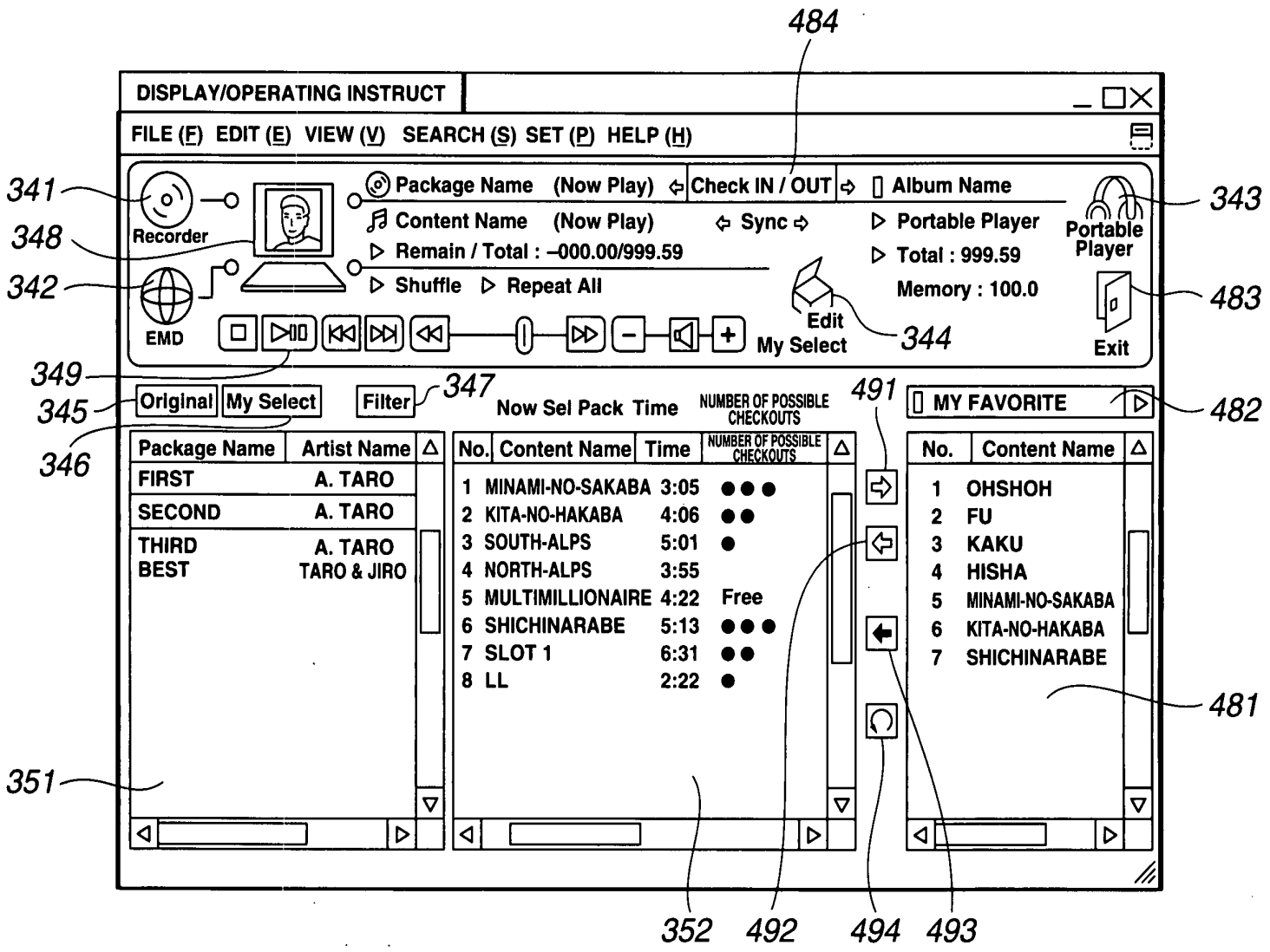


FIG.30

09/889023

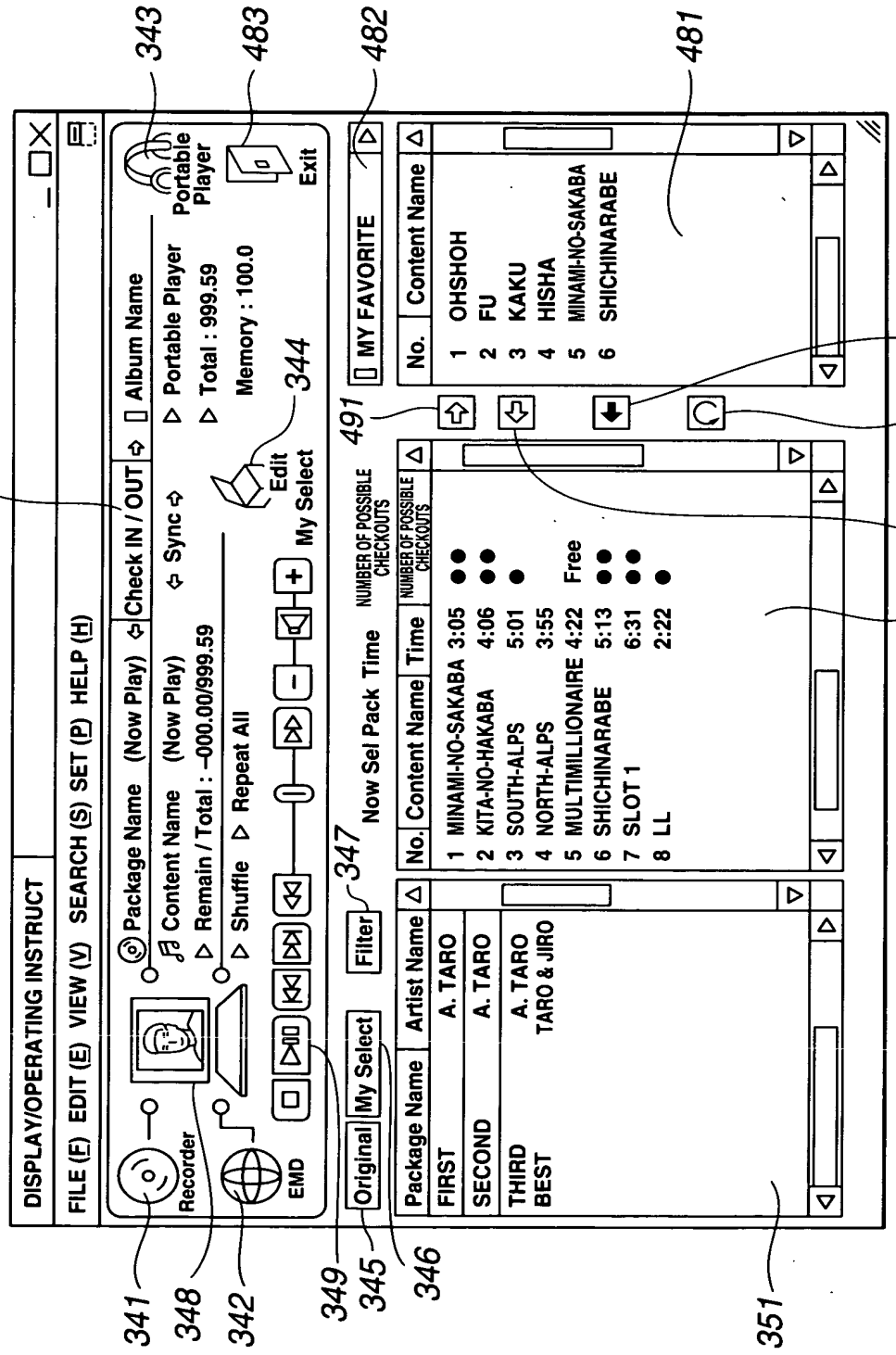

DISPLAY/OPERATING INSTRUCT
FILE (F) EDIT (E) VIEW (V) SEARCH (S) SET (P) HELP (H)
Package Name (Now Play)
Content Name (Now Play)
Remain / Total : -000.00/999.59
Shuffle
Repeat All
Check IN / OUT
Sync
Album Name
Portable Player
Total : 999.59
Memory : 100.0
Edit
My Select
Portable Player
Exit
MY FAVORITE
Recorder
EMD
Original
My Select
Filter
Now Sel Pack Time
NUMBER OF POSSIBLE CHECKOUTS
No. Content Name Time
1 MINAMI-NO-SAKABA 3:05
2 KITA-NO-HAKABA 4:06
3 SOUTH-ALPS 5:01
4 NORTH-ALPS 3:55
5 MULTIMILLIONAIRE 4:22 Free
6 SHICHINARABE 5:13
7 SLOT 1 6:31
8 LL 2:22
Package Name Artist Name
FIRST A. TARO
SECOND A. TARO
THIRD A. TARO
BEST TARO & JIRO
No. Content Name
1 OHSHOH
2 FU
3 KAKU
4 HISHA
5 MINAMI-NO-SAKABA
6 SHICHINARABE
341
348
342
349
345
346
347
484
343
483
482
481
344
491
492
493
494
352
351

FIG.31

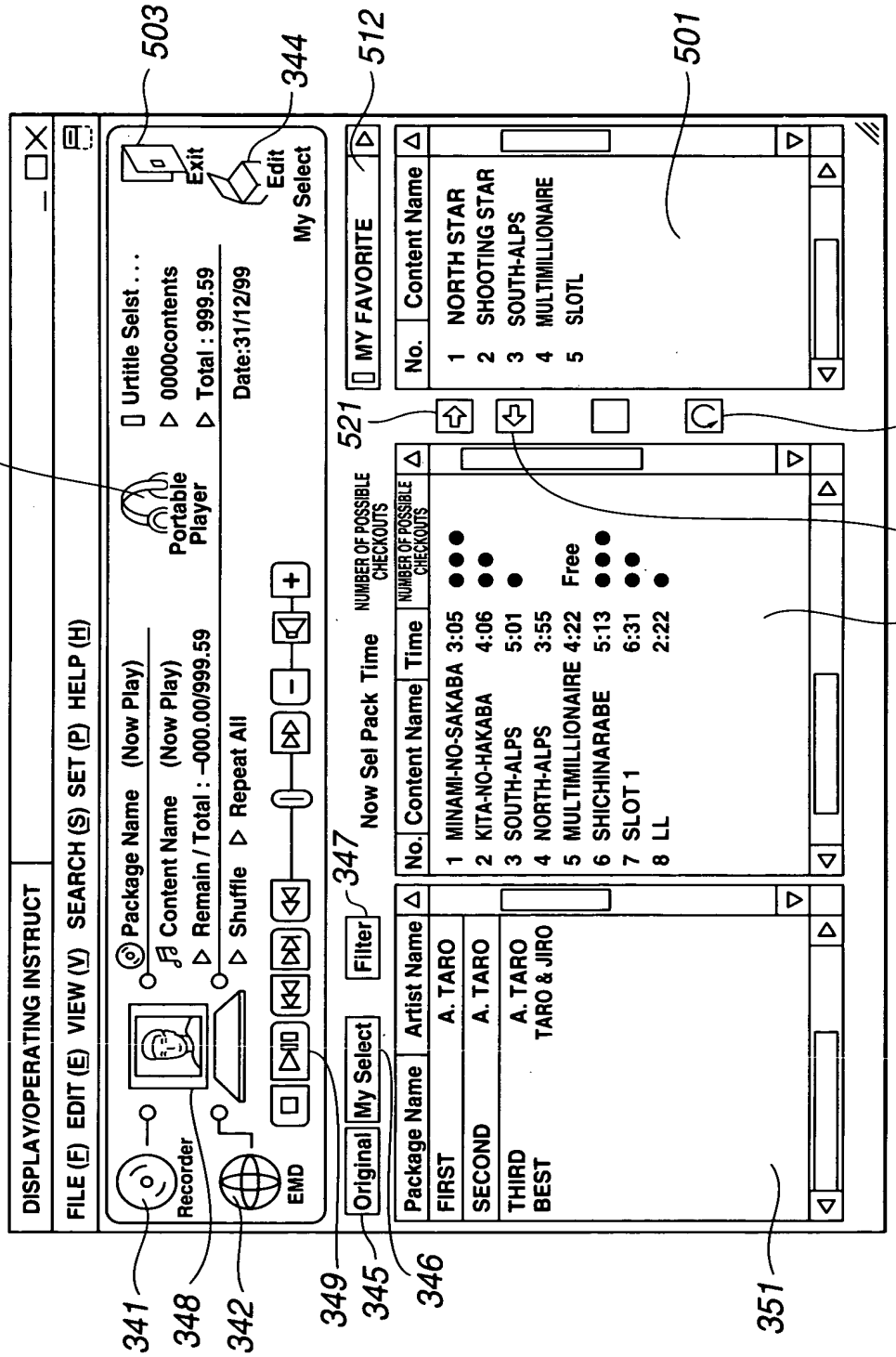

DISPLAY/OPERATING INSTRUCT
FILE (F) EDIT (E) VIEW (V) SEARCH (S) SET (P) HELP (H)
Package Name (Now Play)
Content Name (Now Play)
Remain / Total : -000.00/999.59
Shuffle
Repeat All
Recorder
EMD
Portable Player
Urtitle Selst . . .
0000contents
Total : 999.59
Date:31/12/99
Exit
Edit
My Select
MY FAVORITE
Original
My Select
Filter
Now Sel Pack Time
NUMBER OF POSSIBLE CHECKOUTS
Package Name
Artist Name
FIRST A. TARO
SECOND A. TARO
THIRD A. TARO
BEST TARO & JIRO
No. Content Name Time
1 MINAMI-NO-SAKABA 3:05
2 KITA-NO-HAKABA 4:06
3 SOUTH-ALPS 5:01
4 NORTH-ALPS 3:55
5 MULTIMILLIONAIRE 4:22
6 SHICHINARABE 5:13
7 SLOT 1 6:31
8 LL 2:22
Free
No. Content Name
1 NORTH STAR
2 SHOOTING STAR
3 SOUTH-ALPS
4 MULTIMILLIONAIRE
5 SLOTL
341
342
343
344
345
346
347
348
349
351
352
501
503
512
521
522
523

FIG.32

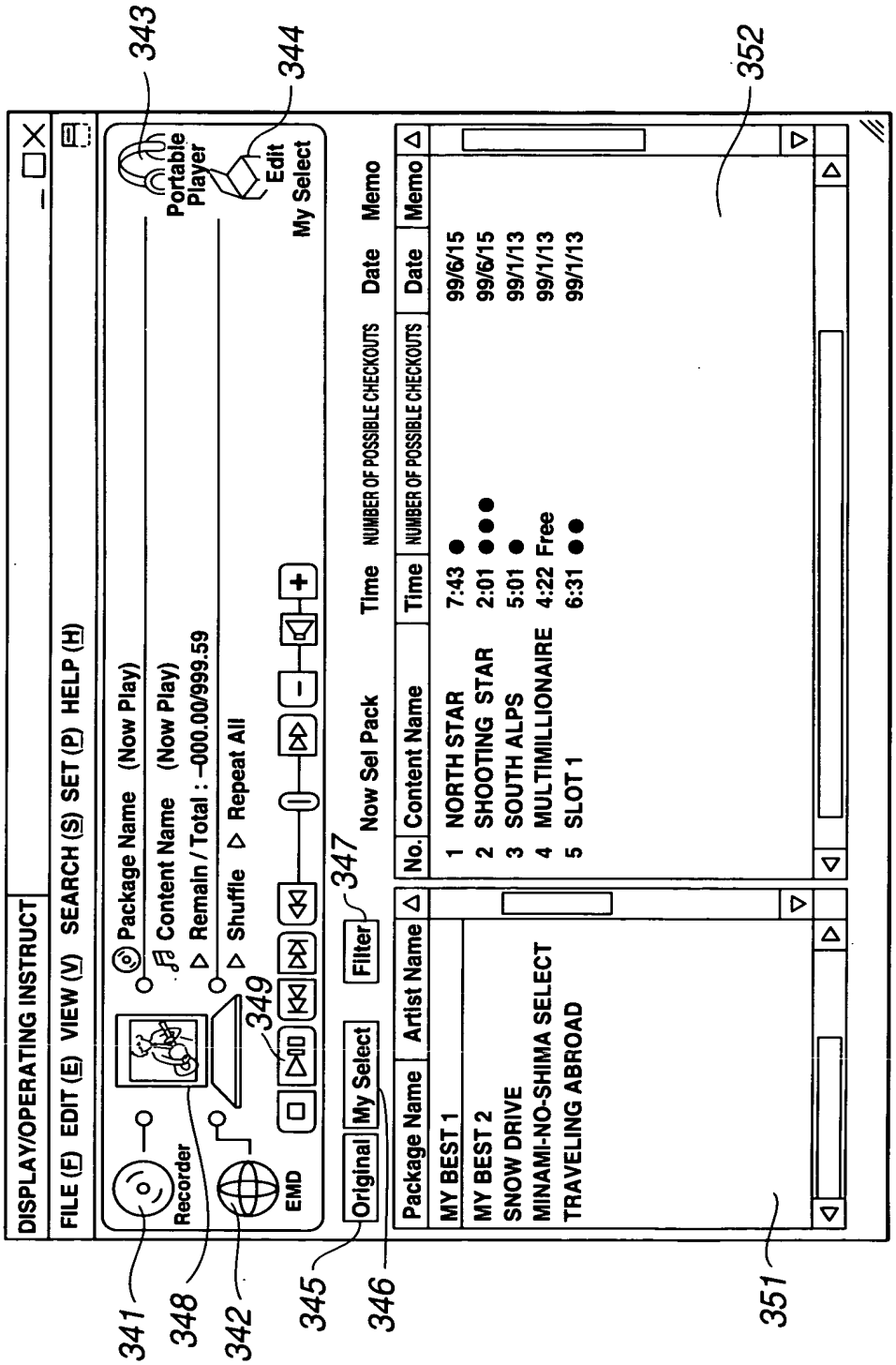

DISPLAY/OPERATING INSTRUCT
FILE (F) EDIT (E) VIEW (V) SEARCH (S) SET (P) HELP (H)
Package Name (Now Play)
Content Name (Now Play)
Remain / Total : -000.00/999.59
Shuffle Repeat All
Recorder
EMD
Portable Player
Edit My Select
Original
My Select
Filter
Now Sel Pack
Time
NUMBER OF POSSIBLE CHECKOUTS
Date
Memo
Package Name
Artist Name
MY BEST 1
MY BEST 2
SNOW DRIVE
MINAMI-NO-SHIMA SELECT
TRAVELING ABROAD
No.
Content Name
Time
NUMBER OF POSSIBLE CHECKOUTS
Date
Memo
1 NORTH STAR 7:43 99/6/15
2 SHOOTING STAR 2:01 99/6/15
3 SOUTH ALPS 5:01 99/1/13
4 MULTIMILLIONAIRE 4:22 Free 99/1/13
5 SLOT 1 6:31 99/1/13
341
342
343
344
345
346
347
348
349
351
352

FIG.33

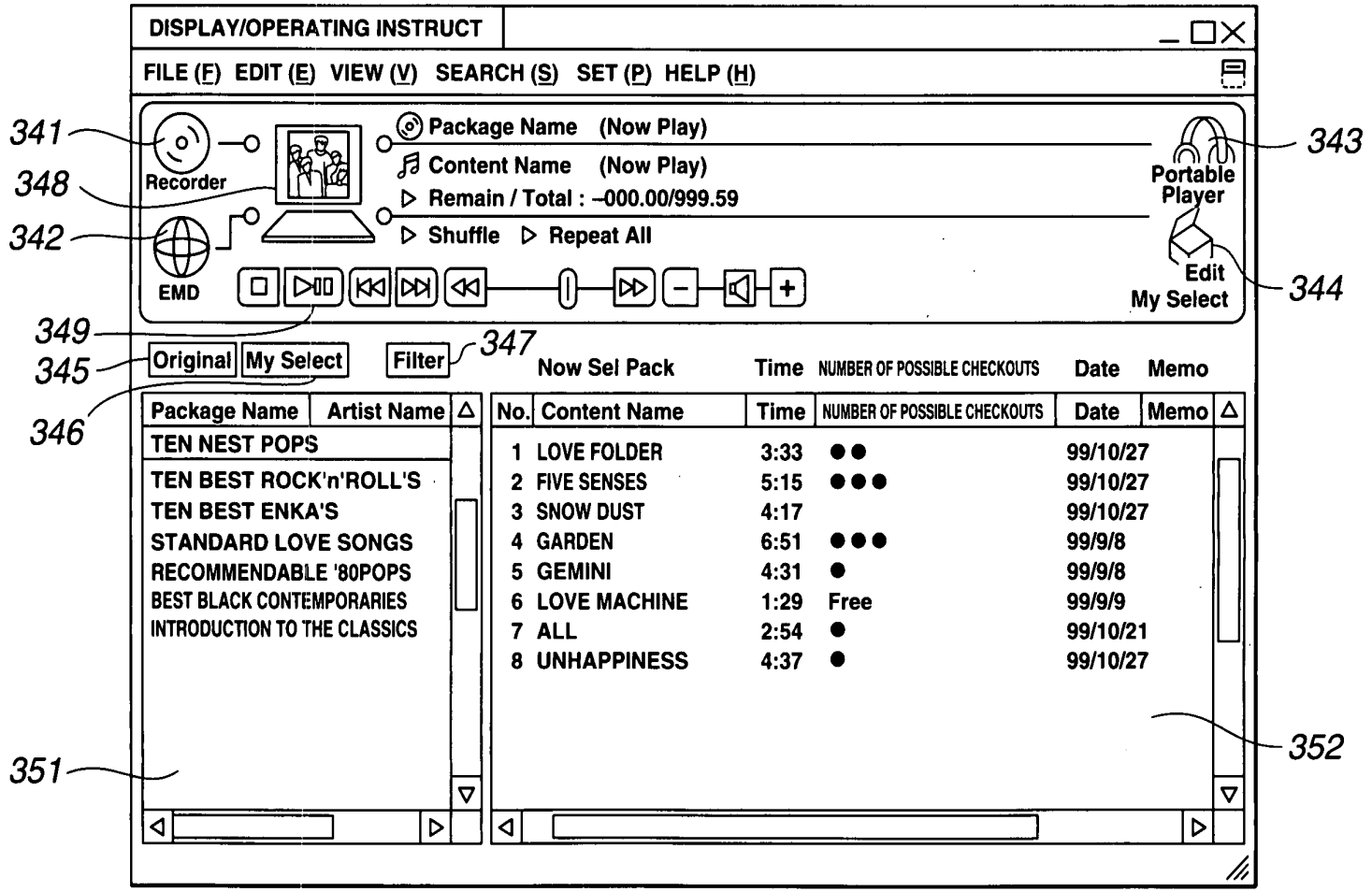

DISPLAY/OPERATING INSTRUCT
FILE (F) EDIT (E) VIEW (V) SEARCH (S) SET (P) HELP (H)
341
Recorder
348
342
EMD
Package Name (Now Play)
Content Name (Now Play)
Remain / Total : -000.00/999.59
Shuffle Repeat All
343
Portable Player
Edit My Select
344
349
345
Original
My Select
346
Filter
347
Now Sel Pack
Time
NUMBER OF POSSIBLE CHECKOUTS
Date
Memo
Package Name
Artist Name
TEN NEST POPS
TEN BEST ROCK'n'ROLL'S
TEN BEST ENKA'S
STANDARD LOVE SONGS
RECOMMENDABLE '80POPS
BEST BLACK CONTEMPORARIES
INTRODUCTION TO THE CLASSICS
351
No.
Content Name
Time
NUMBER OF POSSIBLE CHECKOUTS
Date
Memo
1 LOVE FOLDER 3:33 ●● 99/10/27
2 FIVE SENSES 5:15 ●●● 99/10/27
3 SNOW DUST 4:17 99/10/27
4 GARDEN 6:51 ●●● 99/9/8
5 GEMINI 4:31 ● 99/9/8
6 LOVE MACHINE 1:29 Free 99/9/9
7 ALL 2:54 ● 99/10/21
8 UNHAPPINESS 4:37 ● 99/10/27
352

FIG.34

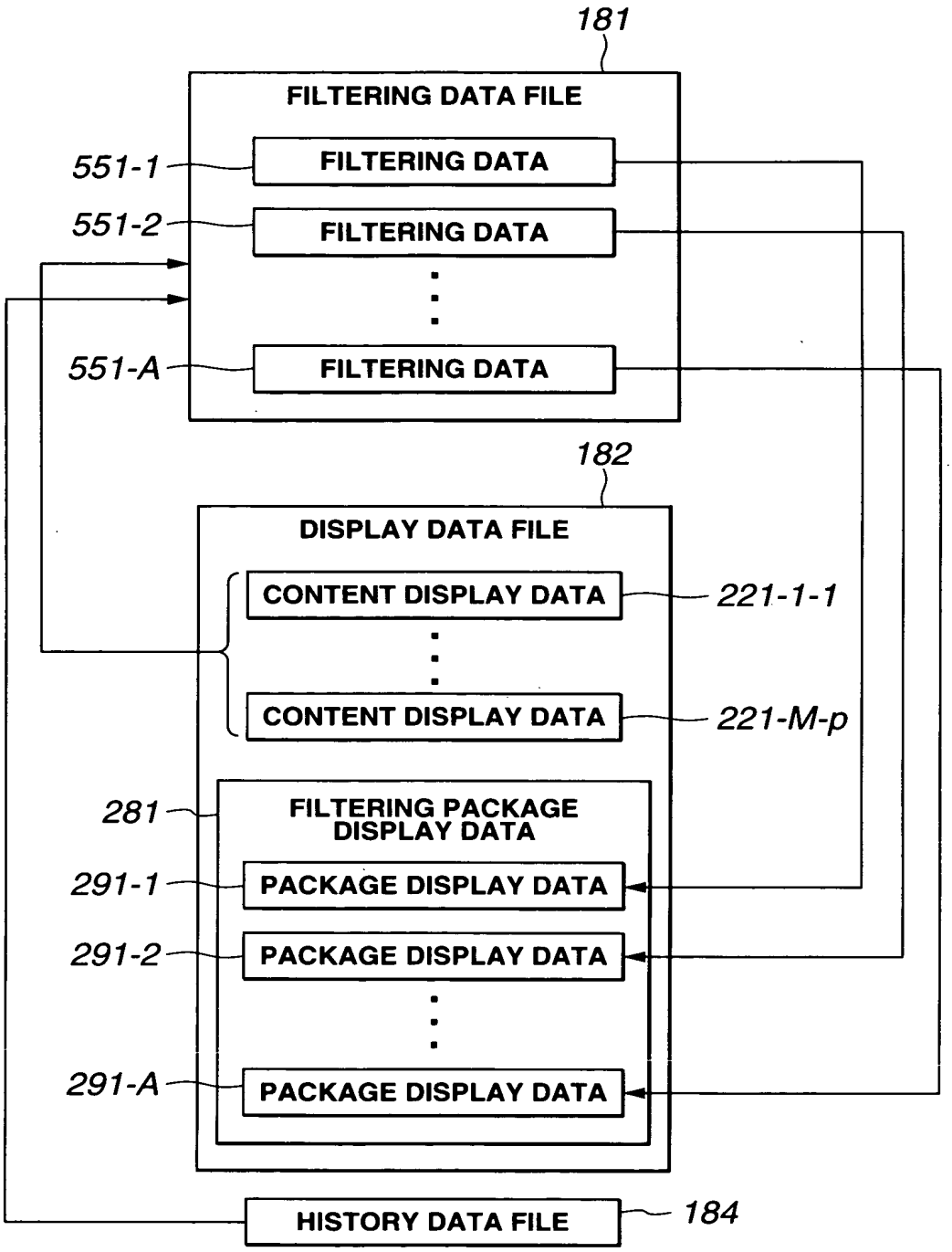

181
FILTERING DATA FILE
551-1
FILTERING DATA
551-2
FILTERING DATA
551-A
FILTERING DATA
182
DISPLAY DATA FILE
CONTENT DISPLAY DATA
221-1-1
CONTENT DISPLAY DATA
221-M-p
281
FILTERING PACKAGE DISPLAY DATA
291-1
PACKAGE DISPLAY DATA
291-2
PACKAGE DISPLAY DATA
291-A
PACKAGE DISPLAY DATA
HISTORY DATA FILE
184

FIG.35

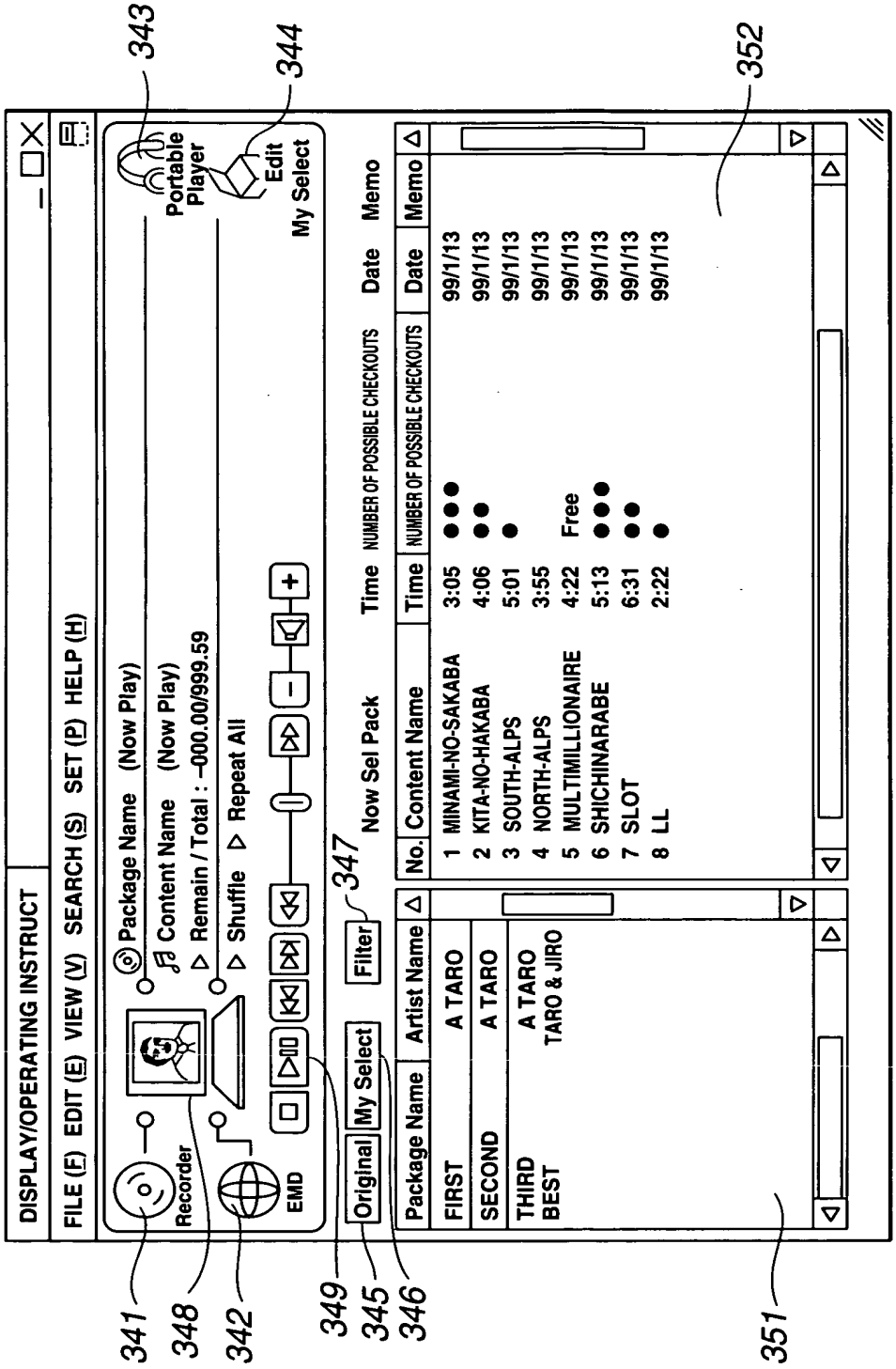

DISPLAY/OPERATING INSTRUCT
FILE (F) EDIT (E) VIEW (V) SEARCH (S) SET (P) HELP (H)
Package Name (Now Play)
Content Name (Now Play)
Remain / Total : -000.00/999.59
Shuffle
Repeat All
Recorder
EMD
Portable Player
Edit My Select
Original
My Select
Filter
Now Sel Pack
Time
NUMBER OF POSSIBLE CHECKOUTS
Date
Memo
Package Name
Artist Name
FIRST A TARO
SECOND A TARO
THIRD A TARO
BEST TARO & JIRO
No.
Content Name
Time
NUMBER OF POSSIBLE CHECKOUTS
Date
Memo
1 MINAMI-NO-SAKABA 3:05 ●●● 99/1/13
2 KITA-NO-HAKABA 4:06 ●● 99/1/13
3 SOUTH-ALPS 5:01 ● 99/1/13
4 NORTH-ALPS 3:55 99/1/13
5 MULTIMILLIONAIRE 4:22 Free 99/1/13
6 SHICHINARABE 5:13 ●●● 99/1/13
7 SLOT 6:31 ●● 99/1/13
8 LL 2:22 ● 99/1/13
341
342
343
344
345
346
347
348
349
351
352

FIG.36

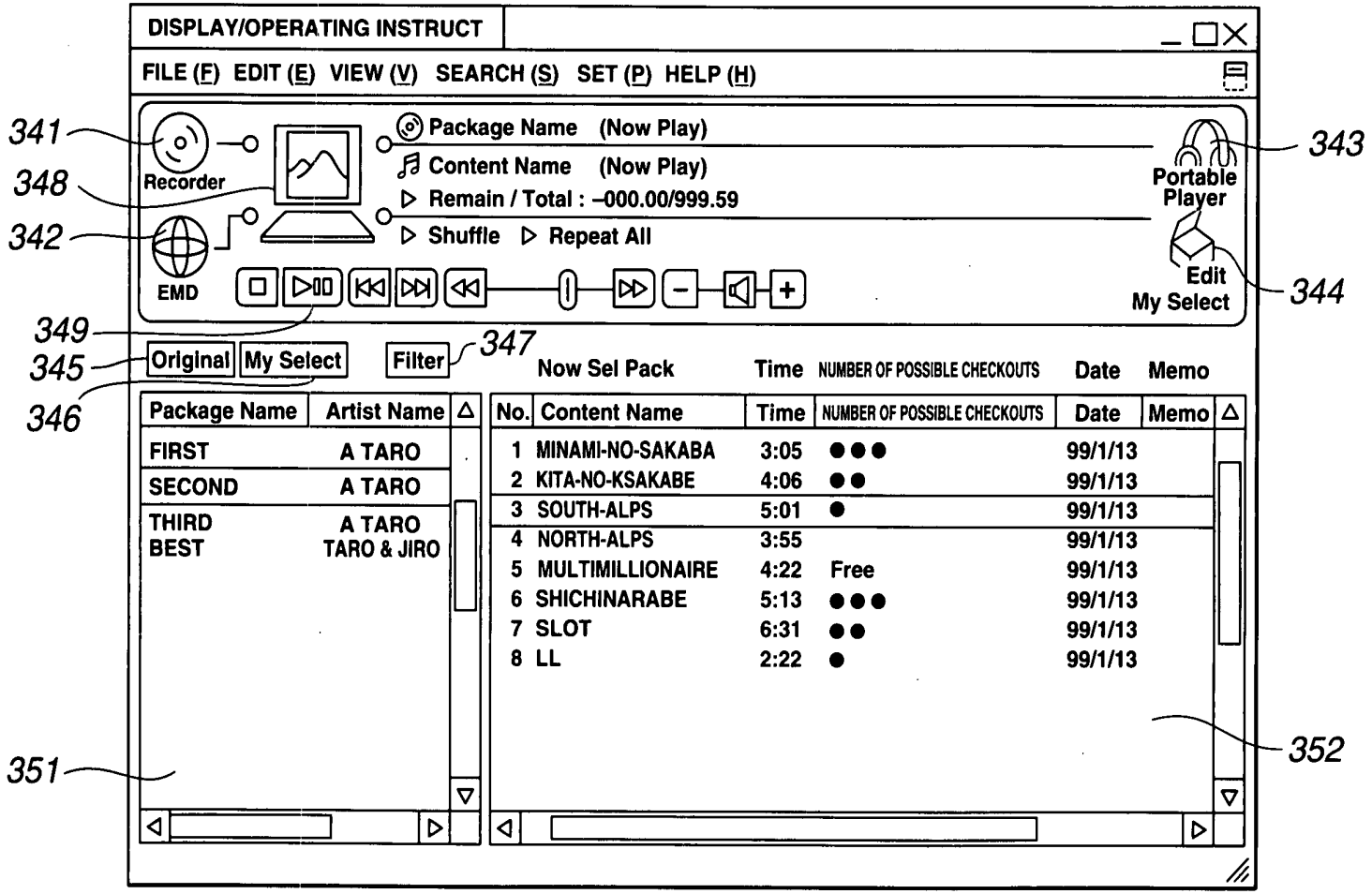


FIG.37

09/889023

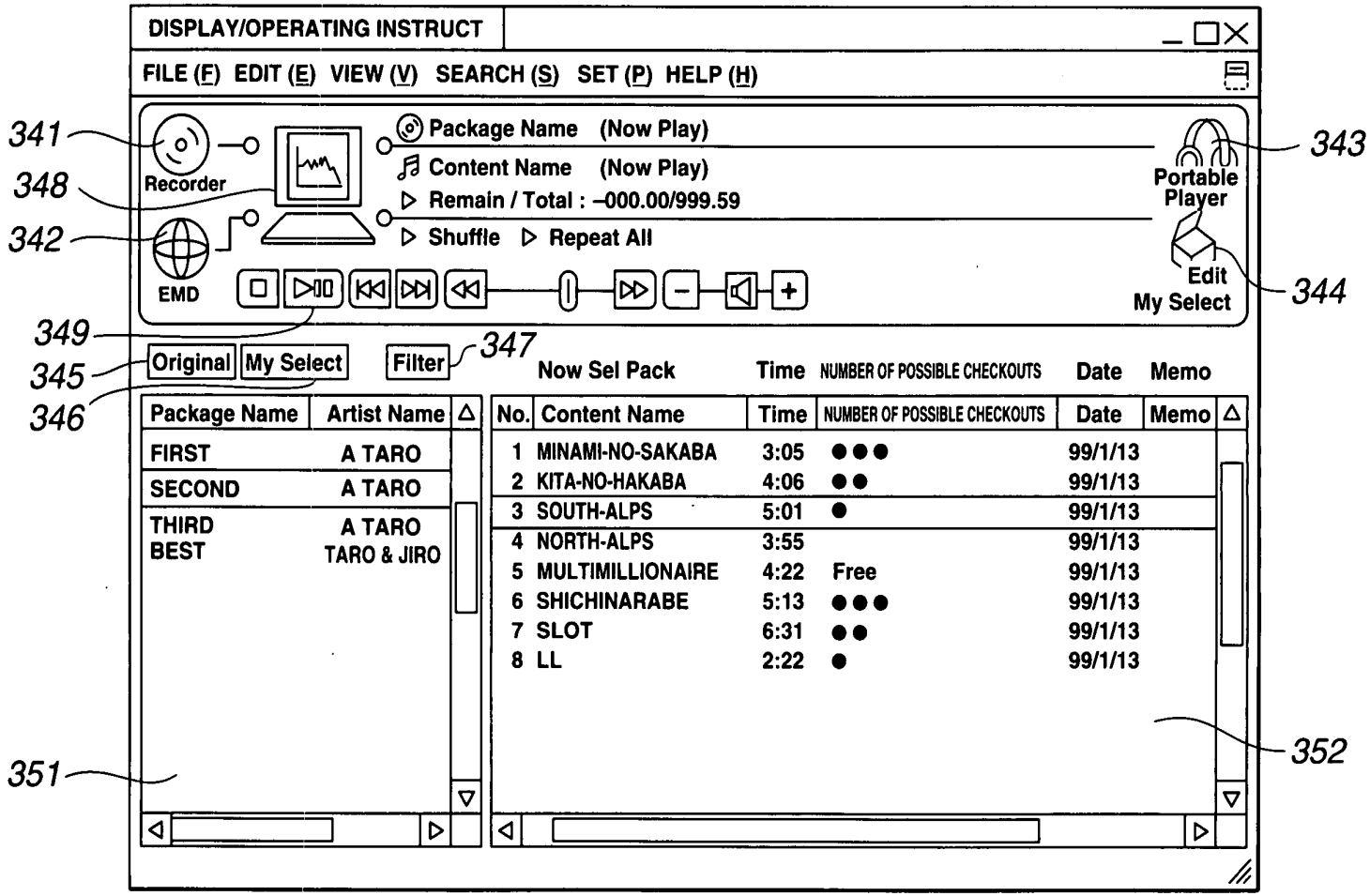

DISPLAY/OPERATING INSTRUCT
FILE (F) EDIT (E) VIEW (V) SEARCH (S) SET (P) HELP (H)
341
Recorder
348
342
EMD
Package Name (Now Play)
Content Name (Now Play)
Remain / Total : –000.00/999.59
Shuffle Repeat All
343
Portable Player
Edit My Select
344
349
345
346
Original
My Select
Filter
347
Now Sel Pack
Time
NUMBER OF POSSIBLE CHECKOUTS
Date
Memo
Package Name
Artist Name
FIRST A TARO
SECOND A TARO
THIRD BEST A TARO TARO & JIRO
No. Content Name Time NUMBER OF POSSIBLE CHECKOUTS Date Memo
1 MINAMI-NO-SAKABA 3:05 ●●● 99/1/13
2 KITA-NO-HAKABA 4:06 ●● 99/1/13
3 SOUTH-ALPS 5:01 ● 99/1/13
4 NORTH-ALPS 3:55 99/1/13
5 MULTIMILLIONAIRE 4:22 Free 99/1/13
6 SHICHINARABE 5:13 ●●● 99/1/13
7 SLOT 6:31 ●● 99/1/13
8 LL 2:22 ● 99/1/13
351
352

FIG.38

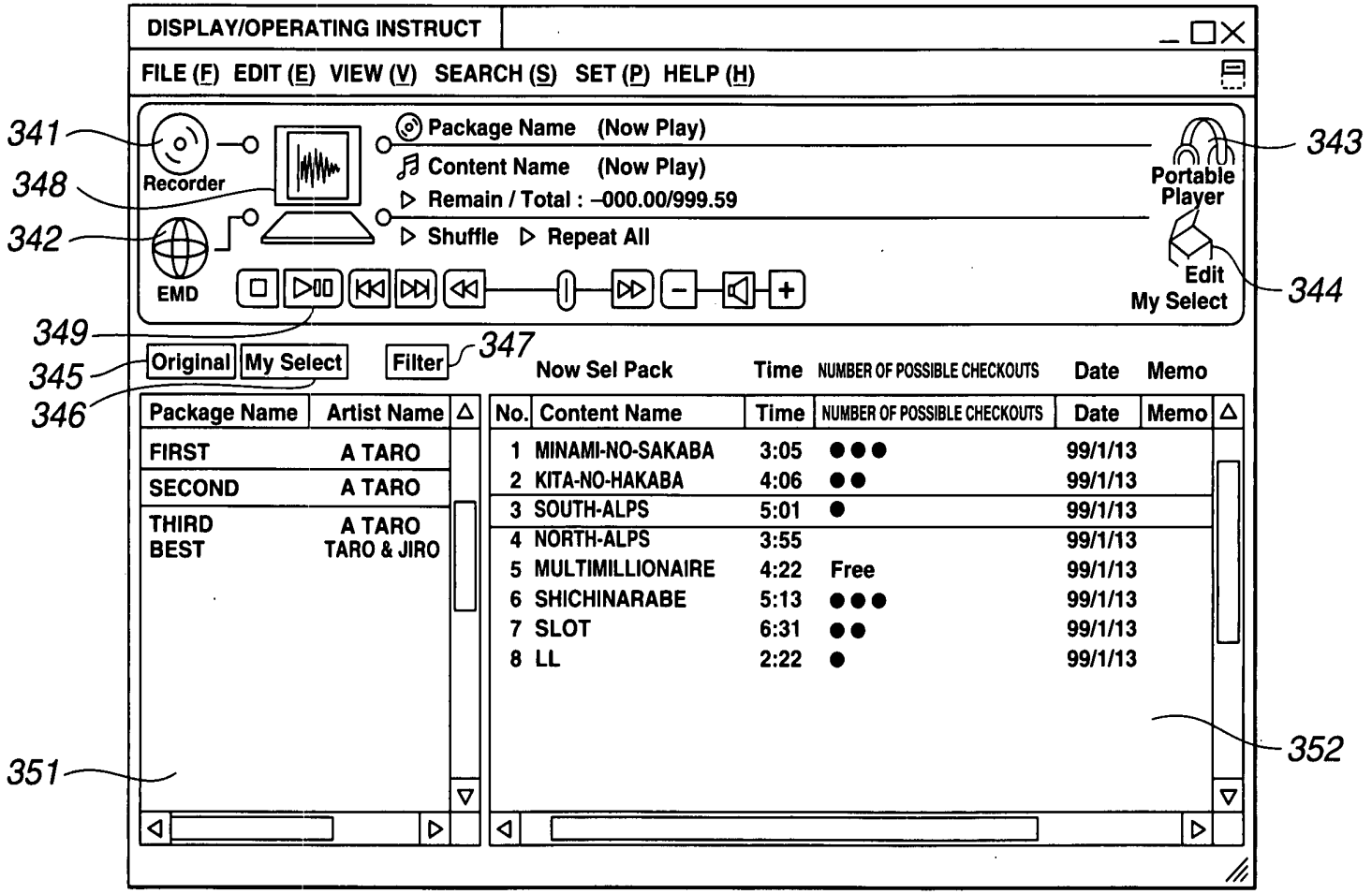


FIG.39

09/889023

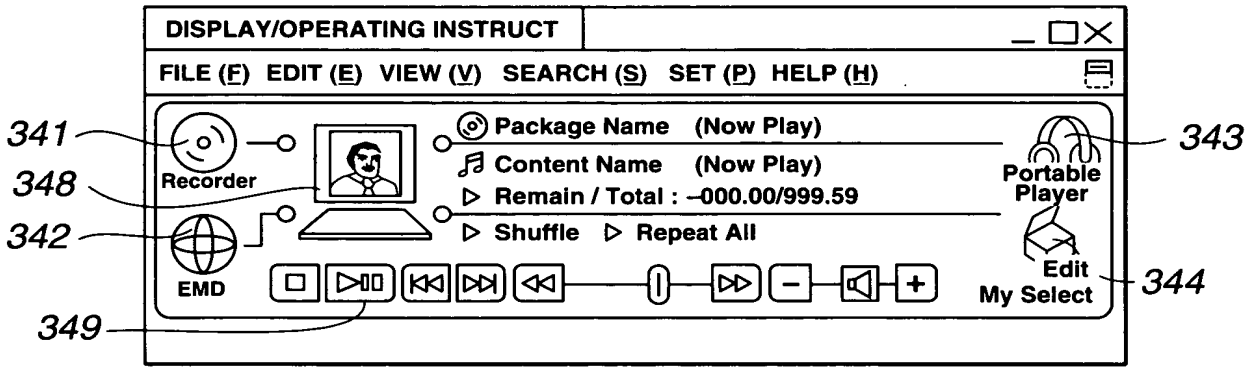

DISPLAY/OPERATING INSTRUCT
FILE (F) EDIT (E) VIEW (V) SEARCH (S) SET (P) HELP (H)
341
348
342
349
343
344
Recorder
EMD
Package Name (Now Play)
Content Name (Now Play)
Remain / Total : -000.00/999.59
Shuffle
Repeat All
Portable Player
Edit My Select

FIG.40

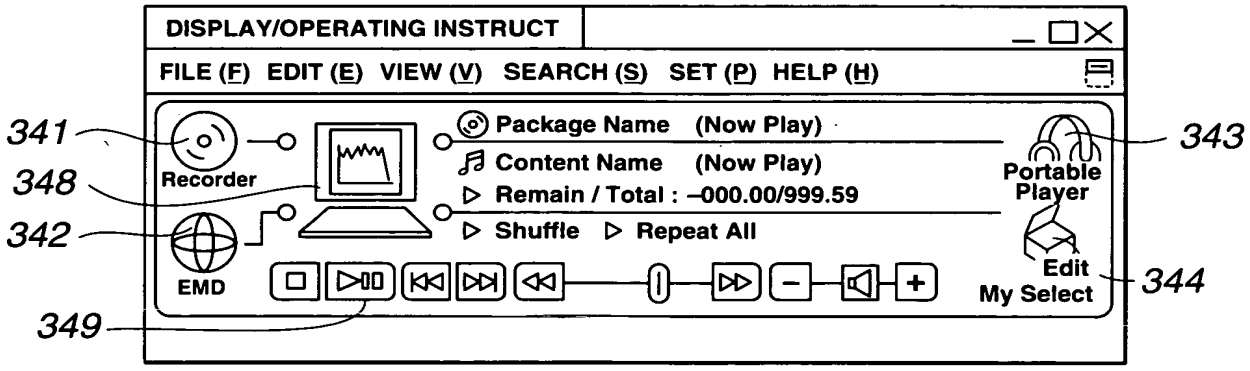

DISPLAY/OPERATING INSTRUCT
FILE (F) EDIT (E) VIEW (V) SEARCH (S) SET (P) HELP (H)
341
348
342
349
343
344
Recorder
EMD
Package Name (Now Play)
Content Name (Now Play)
Remain / Total : -000.00/999.59
Shuffle
Repeat All
Portable Player
Edit My Select

FIG.41

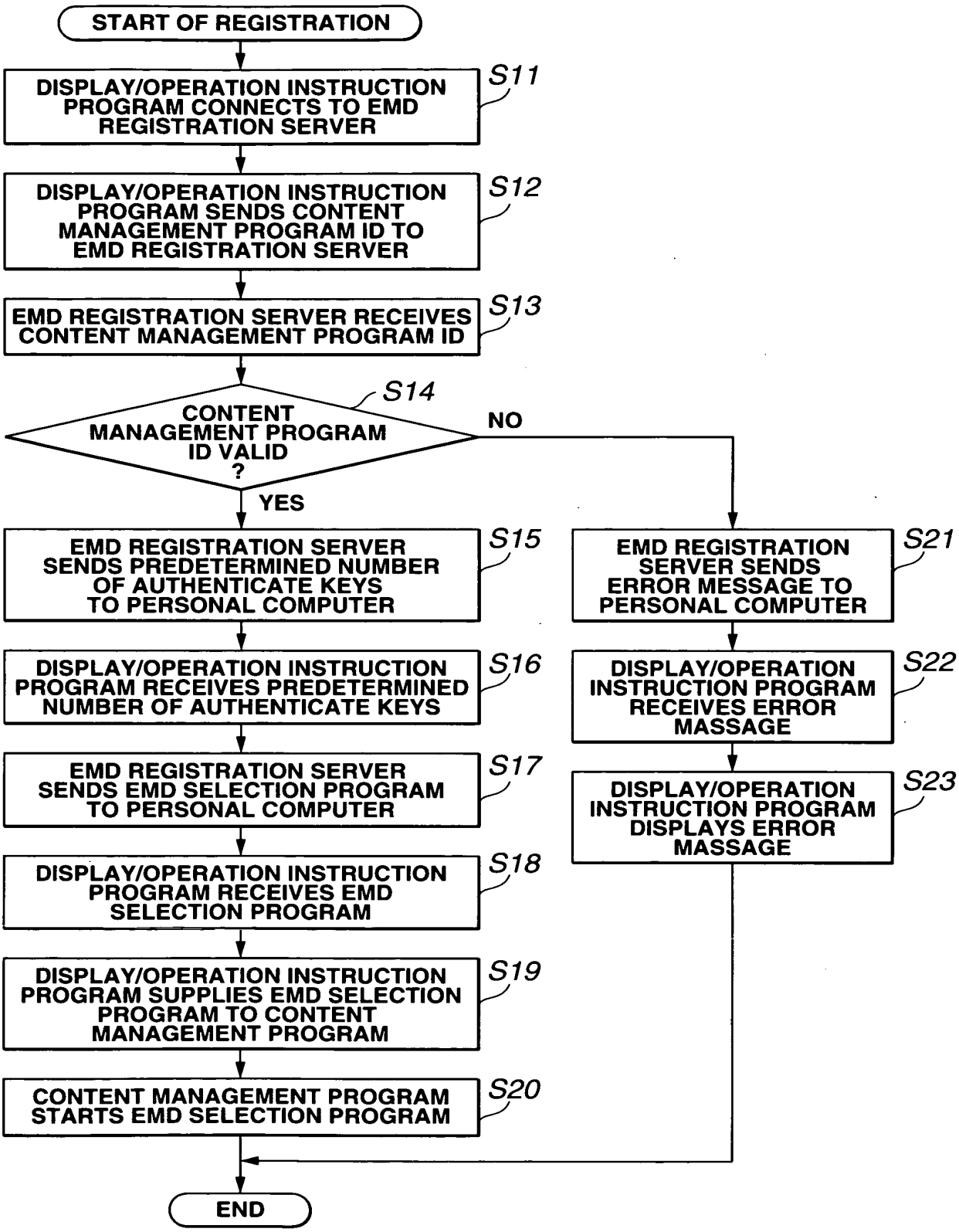


FIG.42

0000000-0000000

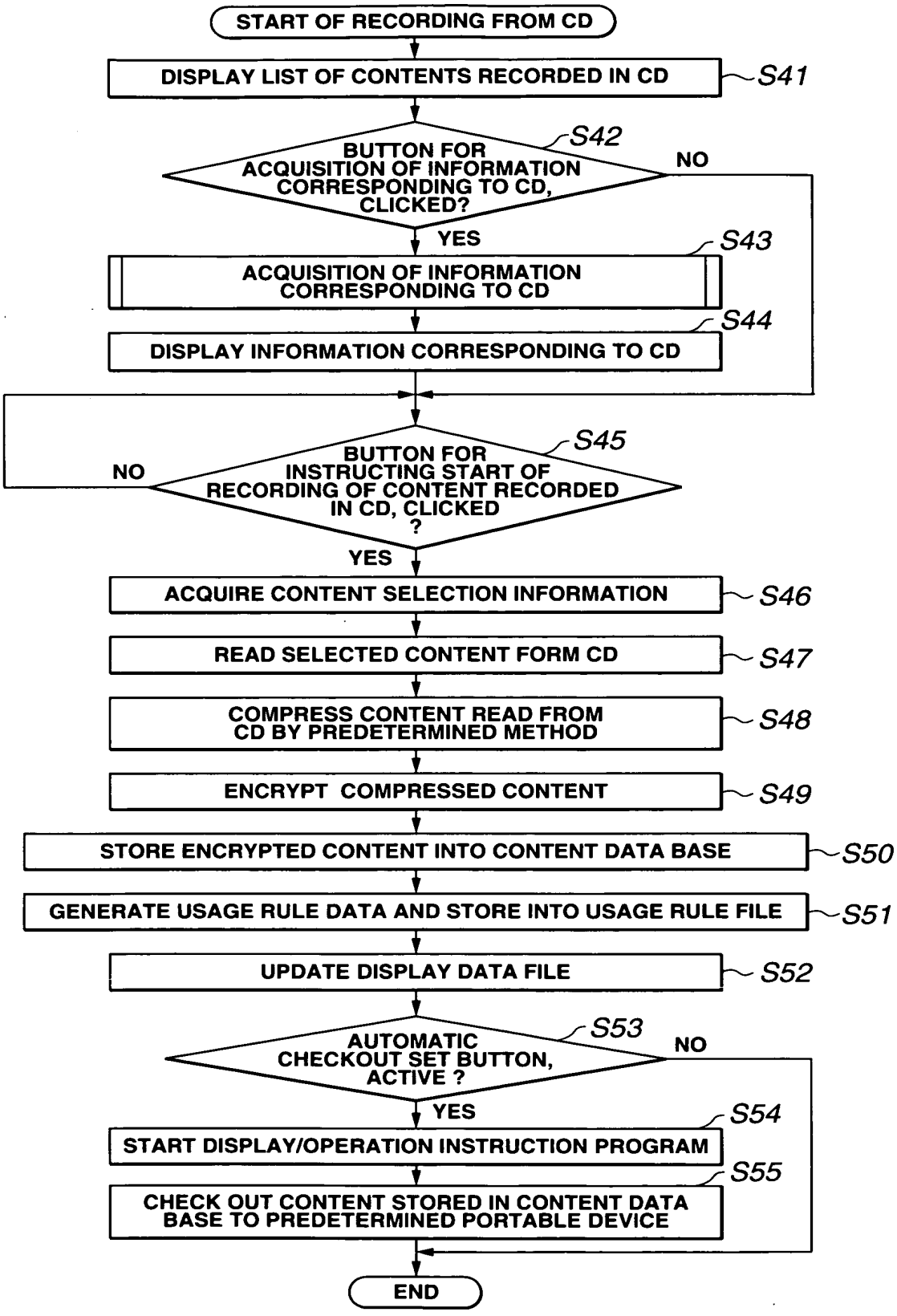


FIG.43

Docket #0020

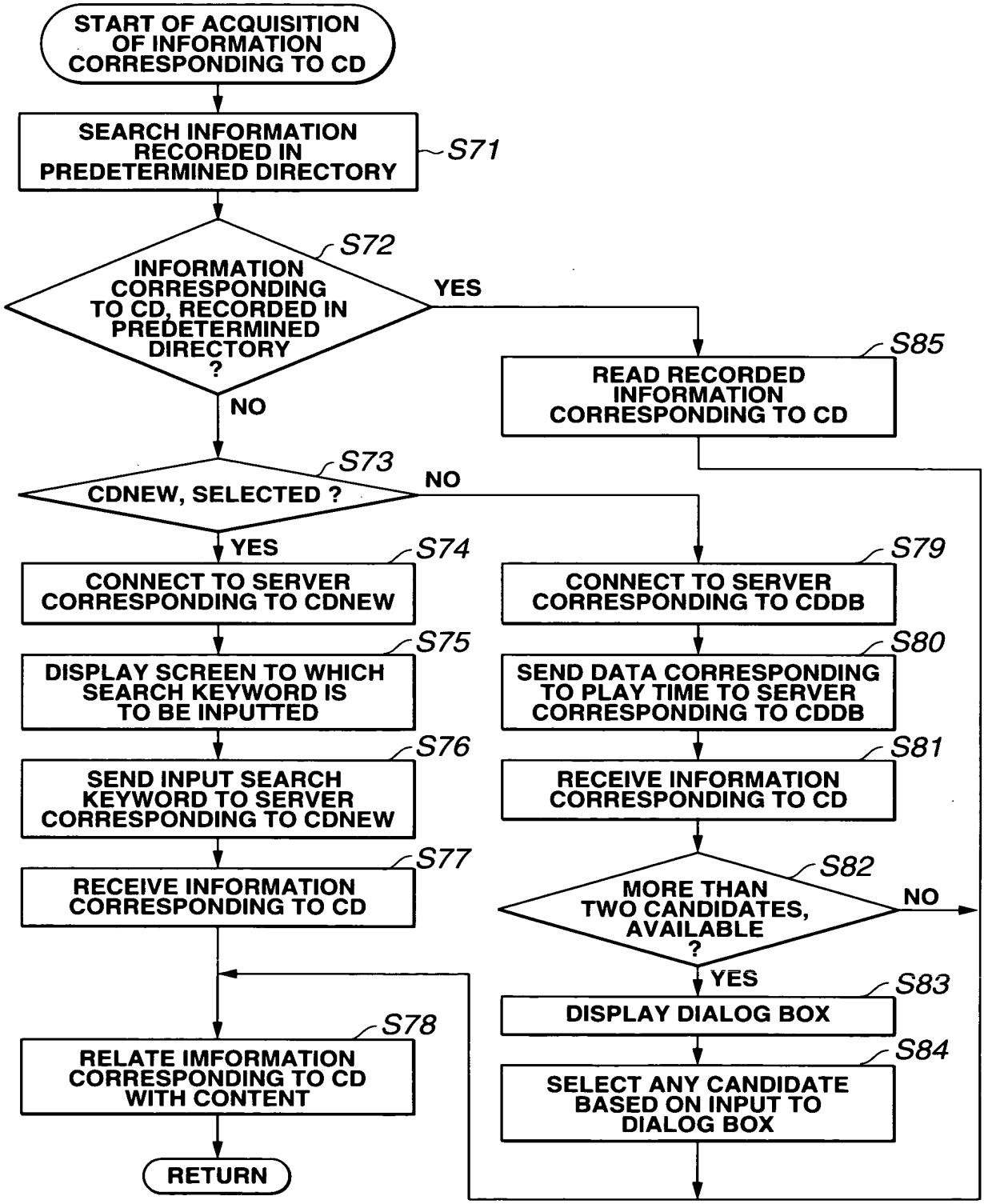

START OF ACQUISITION OF INFORMATION CORRESPONDING TO CD
SEARCH INFORMATION RECORDED IN PREDETERMINED DIRECTORY
S71
S72
INFORMATION CORRESPONDING TO CD, RECORDED IN PREDETERMINED DIRECTORY ?
YES
NO
S85
READ RECORDED INFORMATION CORRESPONDING TO CD
S73
CDNEW, SELECTED ?
NO
YES
S74
CONNECT TO SERVER CORRESPONDING TO CDNEW
S75
DISPLAY SCREEN TO WHICH SEARCH KEYWORD IS TO BE INPUTTED
S76
SEND INPUT SEARCH KEYWORD TO SERVER CORRESPONDING TO CDNEW
S77
RECEIVE INFORMATION CORRESPONDING TO CD
S78
RELATE IMFORMATION CORRESPONDING TO CD WITH CONTENT
RETURN
S79
CONNECT TO SERVER CORRESPONDING TO CDDB
S80
SEND DATA CORRESPONDING TO PLAY TIME TO SERVER CORRESPONDING TO CDDB
S81
RECEIVE INFORMATION CORRESPONDING TO CD
S82
MORE THAN TWO CANDIDATES, AVAILABLE ?
NO
YES
S83
DISPLAY DIALOG BOX
S84
SELECT ANY CANDIDATE BASED ON INPUT TO DIALOG BOX

FIG.44

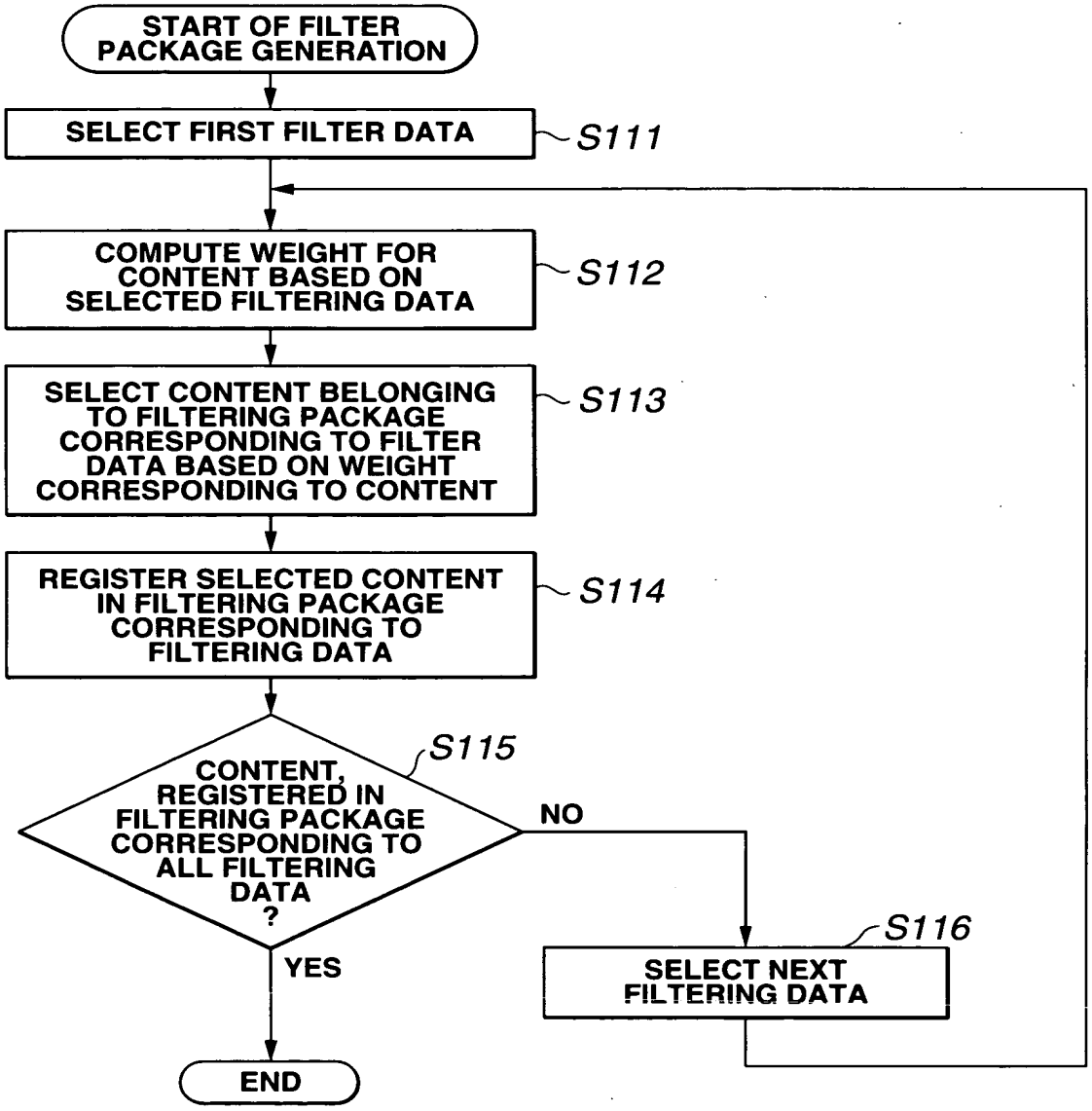

START OF FILTER PACKAGE GENERATION
SELECT FIRST FILTER DATA
S111
COMPUTE WEIGHT FOR CONTENT BASED ON SELECTED FILTERING DATA
S112
SELECT CONTENT BELONGING TO FILTERING PACKAGE CORRESPONDING TO FILTER DATA BASED ON WEIGHT CORRESPONDING TO CONTENT
S113
REGISTER SELECTED CONTENT IN FILTERING PACKAGE CORRESPONDING TO FILTERING DATA
S114
S115
CONTENT, REGISTERED IN FILTERING PACKAGE CORRESPONDING TO ALL FILTERING DATA ?
NO
YES
S116
SELECT NEXT FILTERING DATA
END

FIG.45

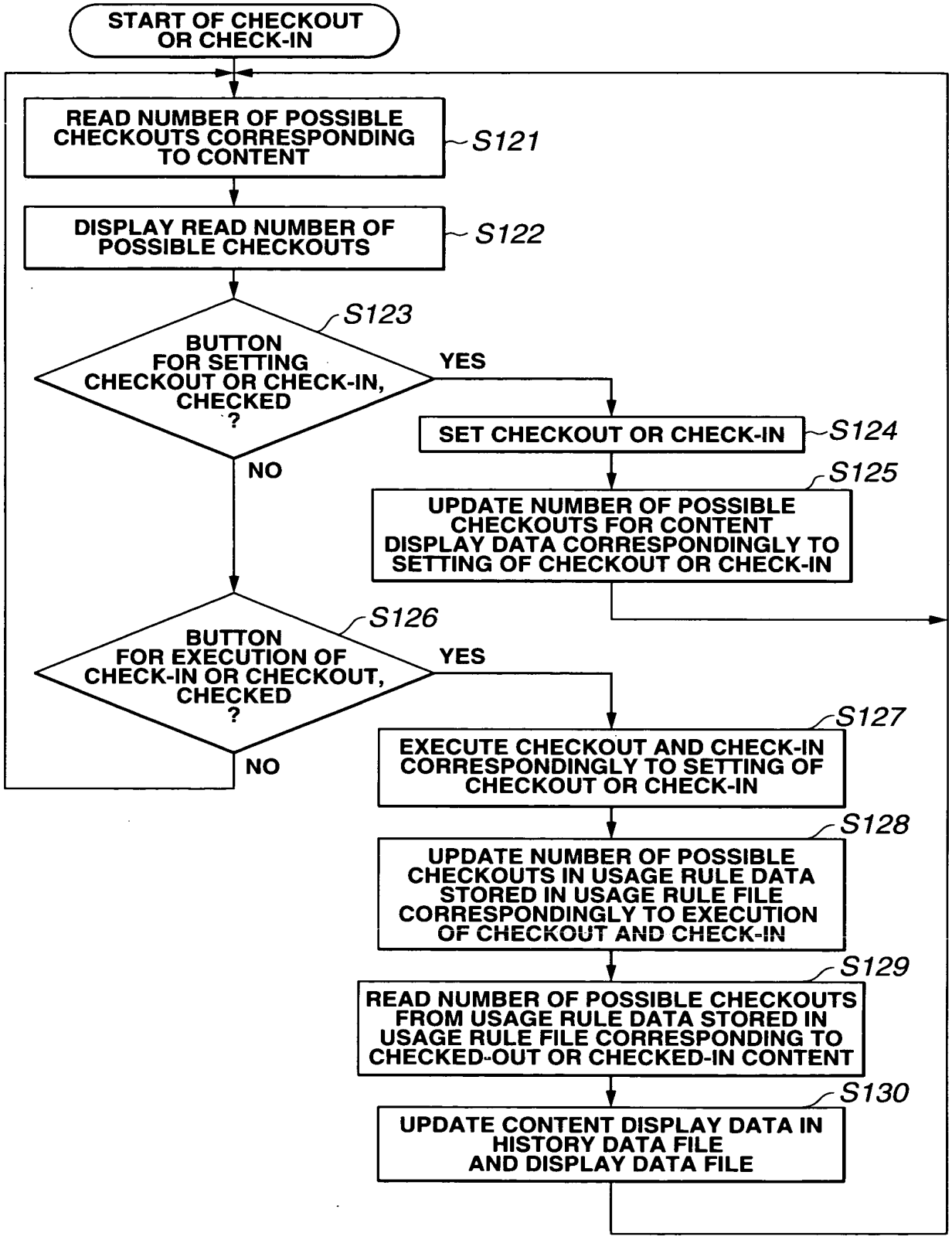

START OF CHECKOUT OR CHECK-IN
READ NUMBER OF POSSIBLE CHECKOUTS CORRESPONDING TO CONTENT
S121
DISPLAY READ NUMBER OF POSSIBLE CHECKOUTS
S122
S123
BUTTON FOR SETTING CHECKOUT OR CHECK-IN, CHECKED ?
YES
NO
SET CHECKOUT OR CHECK-IN
S124
S125
UPDATE NUMBER OF POSSIBLE CHECKOUTS FOR CONTENT DISPLAY DATA CORRESPONDINGLY TO SETTING OF CHECKOUT OR CHECK-IN
S126
BUTTON FOR EXECUTION OF CHECK-IN OR CHECKOUT, CHECKED ?
YES
NO
S127
EXECUTE CHECKOUT AND CHECK-IN CORRESPONDINGLY TO SETTING OF CHECKOUT OR CHECK-IN
S128
UPDATE NUMBER OF POSSIBLE CHECKOUTS IN USAGE RULE DATA STORED IN USAGE RULE FILE CORRESPONDINGLY TO EXECUTION OF CHECKOUT AND CHECK-IN
S129
READ NUMBER OF POSSIBLE CHECKOUTS FROM USAGE RULE DATA STORED IN USAGE RULE FILE CORRESPONDING TO CHECKED-OUT OR CHECKED-IN CONTENT
S130
UPDATE CONTENT DISPLAY DATA IN HISTORY DATA FILE AND DISPLAY DATA FILE

FIG.46

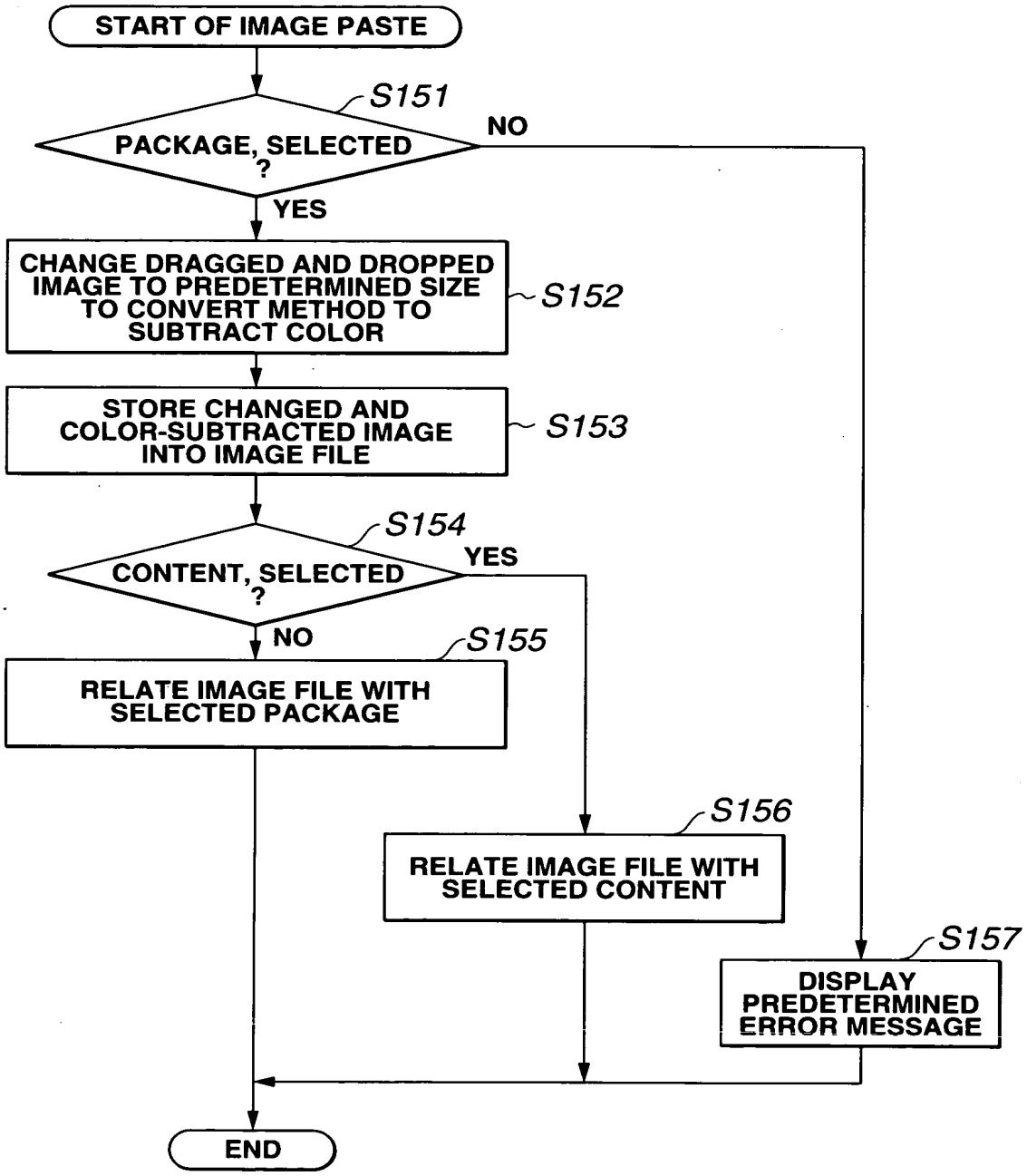

START OF IMAGE PASTE
S151
PACKAGE, SELECTED ?
NO
YES
CHANGE DRAGGED AND DROPPED IMAGE TO PREDETERMINED SIZE TO CONVERT METHOD TO SUBTRACT COLOR
S152
STORE CHANGED AND COLOR-SUBTRACTED IMAGE INTO IMAGE FILE
S153
S154
CONTENT, SELECTED ?
YES
NO
S155
RELATE IMAGE FILE WITH SELECTED PACKAGE
S156
RELATE IMAGE FILE WITH SELECTED CONTENT
S157
DISPLAY PREDETERMINED ERROR MESSAGE
END

FIG.47

09/889023

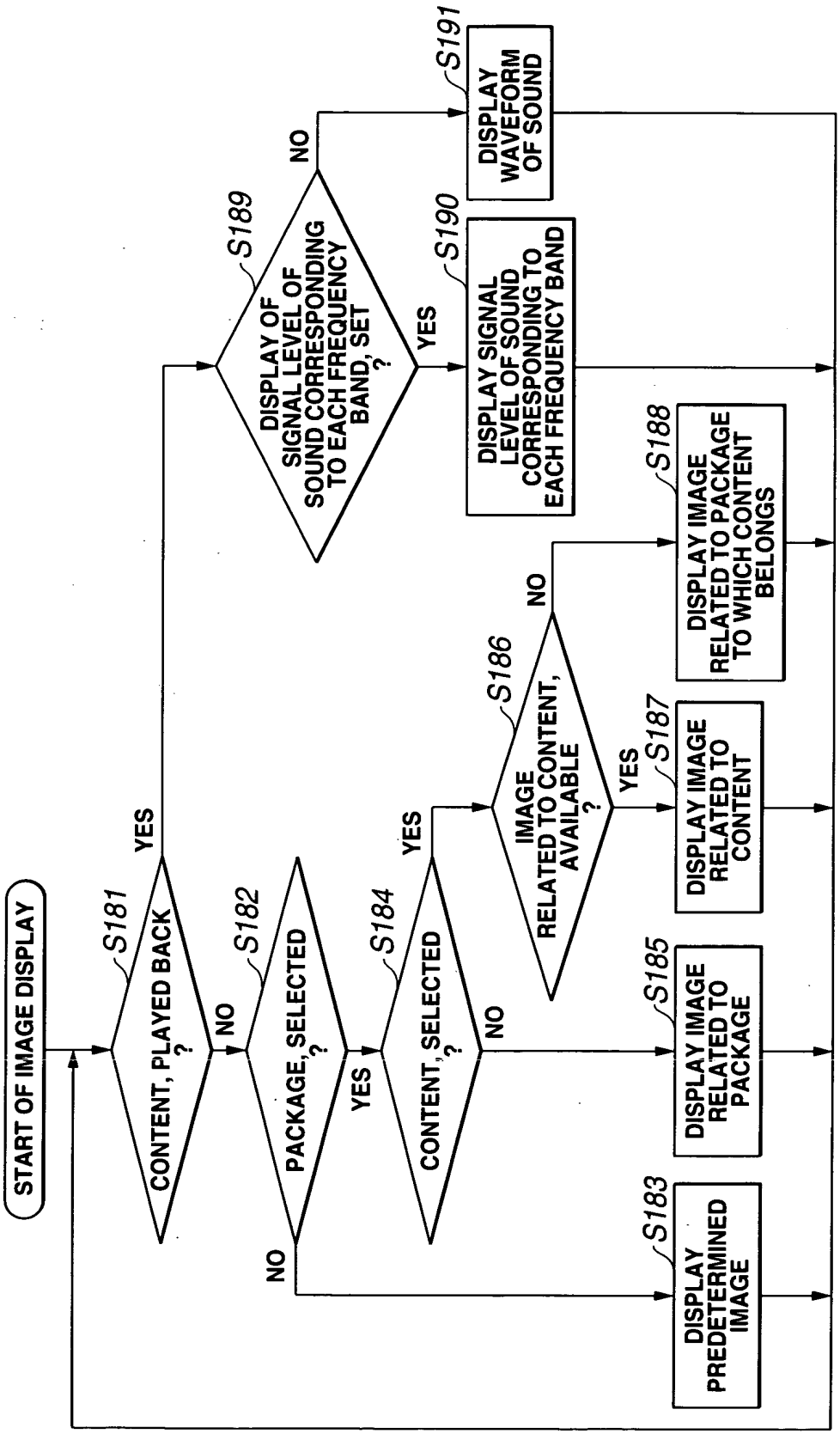


FIG.48